Ramanauskas, Peter

From: Jason Jimerson <Jason.Jimerson@lucentpolymers.com>
Sent: Thursday, May 29, 2014 10:13 AM
To: Ramanauskas, Peter
Subject: RE: Statement of Basis

I approve removal of the confidential status of the Phase II ESA for purpose of public notice as it is documented in the Statement of Basis previously provided.

From: Ramanauskas, Peter [mailto:ramanauskas.peter@epa.gov]
Sent: Wednesday, May 28, 2014 10:16 AM
To: Jason Jimerson
Subject: FW: Statement of Basis

Hi Jason,

Just wanted to follow up on the question below.

Thanks,
Peter

From: Ramanauskas, Peter
Sent: Wednesday, May 21, 2014 1:56 PM
To: 'Jason Jimerson'
Subject: RE: Statement of Basis

Thank you, Jason.

Can you please verify for me that you remove the confidentiality claim for the 2005 Phase II ESA such that it is publicly available as part of our Administrative Record for this decision?

Let me know if you have questions.

Thank you,
Peter

From: Jason Jimerson [mailto:Jason.Jimerson@lucentpolymers.com]
Sent: Wednesday, May 21, 2014 1:53 PM
To: Ramanauskas, Peter
Subject: Re: Statement of Basis

I have Peter and I see nothing wrong with releasing the information. Thanks for staying on this. Let me know if there is anything I can do to assist.
Jason

Sent from my iPhone

LUCENT POLYMERS

1700 Lynch Road
Evansville, IN 47711
P: (812)-421-2216
F: (812)-492-3878

Peter Ramanauskas
USEPA Region 5
77 W. Jackson Boulevard (LU-9J)
Chicago, IL 60604

Dear Mr. Ramanauskas,

Please find the enclosed compliance to Final Agreed Order as well as the Phase II Environmental Survey of 1800 Lynch Road. Please consider all Phase II documentation CONFIDENTIAL. Please let me know if you need any other documentation or assistance.

Sincerely,

Jason P. Jimerson
Chief Operating Officer

GaiaTech

200 North LaSalle Street · Suite 2600 · Chicago, IL 60601

CONFIDENTIAL

LIMITED PHASE II SITE INVESTIGATION

LUCENT POLYMERS
1800 LYNCH ROAD
EVANSVILLE, INDIANA

PREPARED FOR
CLEARVIEW CAPITAL, LLC
OLD GREENWICH, CONNECTICUT

APRIL 29, 2005

Prepared by:

Larry P. Bertsch, PG
Senior Hydrogeologist

QA/QC

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Principal, VP of Geoscience

GAIATECH PROJECT NO. A1334-420-0

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EXECUTIVE SUMMARY

Clearview Capital, LLC retained GaiaTech, Incorporated to conduct a Limited Phase II Investigation of the Lucent Polymers facility located at 1800 Lynch Road in Evansville, Vanderburg County, Indiana (Figure 1). The investigation was performed to address potential environmental concerns identified during a Phase I Environmental Site Assessment (ESA) conducted at the site by GaiaTech in April 2005.

The Phase I Environmental Site Assessment (ESA) identified a potential for solvent impacts based on the use of the site back to the mid-1970s by an earlier plastic manufacturer. The current occupant of the site, Lucent Polymers, is a plastic compounding facility, which manufactures plastic resin pellets for various plastic molding and forming industries. The site utilizes scrap plastic obtained from other extrusion manufacturers that produce products from new materials. The scrap plastic is processed into new material and cut into small pellets.

Based on various historical sources, the southeastern portion of the site was apparently developed with portions of the site building the mid-1960s. Details regarding the site operations or former site occupants from the 1960s through the mid-1970s were not available to GaiaTech. By 1976, Flair Molded Plastics, Inc. owned and operated the site. Another plastics company, Polymer Technology Corp., leased the site from Flair Molded Plastics from 1992 through 1994. Lucent first occupied the site some time during 1997.

A previous environmental sampling report (1997) detailed an investigation of a former outside hazardous material storage area located north of the site building. This investigation was in response to an Indiana Department of Environmental Management (IDEM) consent order dated November, 27, 1996. The Consent Order was due to Polymer Technologies Corporation violating several hazardous material storage and disposal rules during its occupancy. A series of 18 shallow surface samples and hand auger borings were advanced and sampled. A sediment sample was also collected during from the adjacent creek.

The sample results from the 1997 investigation indicated that there were three locations with low concentrations of volatile organic compounds (VOCs) and bis(2-ethylehxyl)phthalate (a semi-VOC). All of the results from the site were below the current IDEM default closure levels. The sample collected from the creek had one PNA compound exceeding state default closure levels. Soil sampling during this investigation was limited to soils within two feet of the ground surface and did not include groundwater sampling.

The scope of work has been completed in agreement with GaiaTech's proposal dated April 20, 2005. On April 22, 2005, GaiaTech installed and sampled a total of eight soil borings in the AEC (locations are depicted on Figure 2). Seven groundwater samples and five soil samples were collected and selectively analyzed for volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PAHs), bis(2ethylhexyl)phthalate (a semi-VOC) and total petroleum hydrocarbons (TPH).

The soil and groundwater sampling results of this investigation indicated that there were no collected soil or groundwater samples that exceeded the IDEM default closure levels. No further investigation, reporting or sampling is warranted at this time.

1.0 INTRODUCTION

Clearview Capital, LLC retained GaiaTech, Incorporated to conduct a Limited Phase II Investigation of the Lucent Polymers facility located at 1800 Lynch Road in Evansville, Vanderburg County, Indiana (Figure 1). The investigation was performed to address potential environmental concerns identified during a Phase I Environmental Site Assessment (ESA) conducted at the site by GaiaTech in April 2005. The scope of work has been completed in agreement with GaiaTech's proposal dated April 20, 2005. A description of the purpose, methodology and results of this evaluation is provided in this report.

1.1 Site Background

The approximately 7-acre site is developed with an approximately 45,000-square-foot plastics extrusion facility and a newly constructed, 20,000 square foot warehouse addition at the northwest corner of the site building. Lucent is a plastic compounding facility, which manufactures plastic resin pellets for various plastic molding and forming industries.

The site contains several resin silos located outdoors and along the east side of the new warehouse. A large mound of earth and concrete debris was observed in a truck parking area in the northwest corner of the site. According to the site representatives, the concrete and earthen debris were generated during the construction of the new warehouse and grading of the trailer parking lot. No evidence of suspect materials were observed in this area.

The facility receives scrap plastic from various offsite plastic molding facilities that consist of plastic remnants obtained from other extrusion manufacturers. The scrap plastic is ground and blended with various pigments, dyes and additives. The ground plastic is then melted into resin and extruded into a cooling water bath. The hardened plastic is run through a pelletizer where the plastic is cut into small pieces.

Based on various historical sources, the site appears to have been agricultural land through at least 1940. The site remained undeveloped through the late 1950s and was initially developed in the mid-1960s. Details regarding the site operations or former site occupants from the 1960s through the mid-1970s were not available to GaiaTech. Around 1976, Flair Molded Plastics, Inc. owned and operated the site. The original site building was expanded in the late 1970s or 1980s. From 1992 through 1994, Polymer Technology Corp leased the site from Flair Molded Plastics, Inc. The site operations from 1994 through approximately 1997 are unknown. According to the site representatives, no changes in site operations have occurred since Lucent began operating at the site sometime in 1997. Lucent added warehouse space in the northwest portion of the site building in 2003-2004.

The northwestern portion of the site remained undeveloped from at least the 1940s through 2003, when Lucent purchased the adjacent 3-acre area from C. Rust Properties. This portion of the site has been graded and gravel-paved for truck and trailer parking. Surrounding properties were agricultural or undeveloped through the mid-1950s and became increasingly industrial thereafter.

A previous environmental sampling report was available for review. The report titled "Site Investigation of Former Polymer Technologies Corp", and completed by Koester Environmental Services in May 27, 1997, details an investigation of an area north of a former outside hazardous material storage area. This investigation was conducted in response to an IDEM Consent Order dated November, 27, 1996. According to the report, Polymer Technologies Corporation (PTC) violated several hazardous material storage and disposal rules during its occupancy. Sampling was conducted under the consent order to determine if any releases had occurred in this area. A series of 18 shallow surface and hand auger borings were advanced and sampled at the property and analyzed for volatile organic compounds (VOCs) and semi-VOCs (SVOCs). A sediment sample was also collected during this investigation from the adjacent creek and analyzed for the same compounds.

The sample results from the 1997 investigation indicated that there were three locations with low concentrations of VOCs and bis(2-ethylhexyl)phthalate (an SVOC) (It should be noted that the complete laboratory analytical data was not available to GaiaTech). All of the results from this area were below the current IDEM default closure levels. The sample collected from the creek detected several PNA compounds with the concentration of one compound (benzo(a)pyrene) exceeding the IDEM default closure level. However, since the concentration was higher in the creek than on the site, the impact was not attributed by Koester to any onsite waste handling activity.

Although it is unclear whether remedial work was conducted on site, a letter from the IDEM dated 1999 indicated that the issues in the Order had since been addressed to the satisfaction of the IDEM. However, GaiaTech's review indicated that sampling was confined to the shallow soils and no groundwater samples were collected.

The following Areas of Environmental Concern was identified at the site:

- **Historical Site Use:** Long term chemical use at the site with limited documentation on the handling and storage of the materials. Additionally, a previous environmental investigation documented previous incorrect handling and storage of hazardous materials and/or wastes. The past long-term usage of chemicals and past waste handling practices may indicate a potential for subsurface impact to the site.

1.2 Scope of Work

On April 22, 2005, GaiaTech installed and sampled a total of eight soil borings to investigate historical chemical use at the site (locations are depicted on Figure 2). The past suspect activities consisted of past chemical and solvent usage and prior reports of improper hazardous chemical storage and disposal in a former outside waste storage area. Seven groundwater samples and five soil samples were collected and selectively analyzed for volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PAHs), bis(2-ethylhexyl)phthalate and total petroleum hydrocarbons (TPH).

1.3 Geology and Hydrogeology

According to the *Soil Survey of Vanderburgh County, Indiana* (U.S. Department of Agriculture, Soil Conservation Service), the soils beneath the site consist of soils of the Des Moinesian series. These soils consist of Zip silty clays, which are deep, poorly drained soils found on level areas. The soils posses a high water capacity and permeability is low.

The unconsolidated subsurface materials typically encountered in the borings consisted of crushed stone or sandy fill to a depth of up to two feet below ground surface (bgs). Twelve feet of medium to coarse fill sand was also encountered in one boring advanced along the east side of the site building. This type of fill sand is consistent with a former underground storage tank although none has been reported at the site. The fill material was underlain by a brown to gray and brown silty clay to a depth of up 15 feet bgs. The silty clay unit was underlain by a gray clayey silt unit to the maximum depth explored, 24 feet bgs. Groundwater was encountered at various depths corresponding to moist or wet soils at depths ranging from 8 to 20 feet bgs. No bedrock was encountered in any of the borings advanced at the site. The complete soil boring logs/well construction diagrams are included as Appendix A.

Shallow groundwater flow typically mimics the surface topography and flows toward the nearest body of water. The estimated groundwater flow direction was based on field observations, topography of the area and review of topographic map(s). Based on the available information and site conditions, shallow groundwater in the area is expected to flow to the north towards the adjacent deep drainage ditch/creek.

2.0 SOIL SAMPLING

2.1 Methodology

Prior to field activities, GaiaTech and the drilling contractor completed a subsurface utility clearance through the Indiana One-Call System. Specific soil boring locations were then determined by GaiaTech based on the location of potential concerns at the site.

On April 22, 2005, GaiaTech installed and sampled eight borings. Each of the soil borings was completed using a Geoprobe® sampling unit. Continuous subsurface soil samples were collected using 4-foot stainless steel sampling tubes lined with acetate sample liners. Upon retrieval from the sampling tube, each soil sample was visually inspected for logging purposes and evidence of contamination. Each soil sample was then collected into separate sample bags to be used for field-screening (described further below) and classification prior to collecting soil samples for laboratory analysis. Soil characteristics such as soil type, color, moisture, consistency, grain size, odor, and plasticity were recorded on soil boring logs. Copies of these logs are provided in Appendix A.

Upon completion of the soil boring, each of the soil samples underwent field screening for ionizable volatile organics contamination using a Mini-Rae photo-ionization detector (PID) equipped with a 10.6eV lamp, calibrated to a 100 volumetric parts per million (Vppm) isobutylene standard. The field screening was used to provide an indication of the potential presence of VOCs to aid in the selection of samples for laboratory analysis. Specific PID field screening procedures were as follows:

- The soil sample was placed in a sample bag.
- The soil boring number and sample depth was written on the sample bag.
- The sample was allowed to warm up under room temperatures.
- The PID was utilized to draw the headspace from above the soil-air interface.
- The maximum PID reading was recorded on each respective soil boring log.

Soil samples were collected at boring locations in which field screening suggested the greatest potential impact was retained for possible laboratory analysis. If field screening did not suggest impact, the soil sample collected from the interval presumed just above the shallow water table was retained for potential analysis. The samples were then secured in a sample cooler and preserved with ice. Under strict sample chain-of-custody procedures, the samples were delivered to First Environmental Laboratories in Naperville, Illinois, a NELAP Accredited laboratory.

Upon completion of soil boring and sampling activities, and between uses to avoid cross contamination, all down-hole soil boring and non-dedicated sampling equipment was decontaminated using an Alconox®/water wash and scrubbing, followed by a clean water

rinse. Once the last soil sample and groundwater sample was retrieved from a boring location, the borehole was back-filled with the soil cuttings and bentonite, and the surface was restored (to the extent feasible) to its original condition. Photographs of the site activities are included in Appendix B.

2.2 Soil Regulatory Standards

Under the Indiana Risk Integrated System of Closures (RISC) document, the Indiana Department of Environmental Management (IDEM) has defined soil Default Closure Levels (DCLs) for residential and commercial/industrial land use scenarios. Several potential migratory pathways (direct contact, construction worker, migration to groundwater, etc.) have also been evaluated and have published default cleanup levels. The various standards for soil are presented in Table 1 along with the soil sample analytical results.

2.3 Soil Sampling Results

A total of eight soil borings were advanced at the site with five shallow soil samples selectively analyzed for VOCs, PNAs, bis(2ethylhexyl)phthalate and TPH analysis, depending on the location. The soil sampling results are summarized below, and are presented in Table 1, with the complete laboratory analytical reports included in Appendix C. The approximate locations of the borings are shown on Figure 2.

Borings GP-1, GP-2, GP-3 and GP-7 were advanced to investigate overall historical site use. Borings GP-4, GP-5 and GP-6 were advanced to investigate overall historical site use as well as to investigate the former soil sample investigation area (former hazardous waste storage area) north of the building. Boring GP-8 was originally installed to investigate overall site use and the presence of a 500-gallon kerosene AST. However during the advancement of the boring approximately 12 feet of suspect fill sand was encountered. This type of fill sand is typically used as underground storage tank (UST) backfill. Additionally, a rectangular asphalt patch (12 x 18 feet), and cut off conduit was also observed in this area that could be evidence of a past UST in this area.

No elevated PID readings were recorded within any of the borings advanced across the site. No odors were detected with the exception of a light petroleum odor detected in borings GP-6 and GP-8. No other suspect staining or fill materials were encountered at the site.

Soil sample GP-1 and GP-4 were collected and analyzed for VOCs. Samples GP-5 and GP-6 were analyzed for VOCs, bis(2ethylhexyl)phthalate and PNAs. Due to the presence of

suspect fill materials encountered in boring GP-8, the soil sample at this location was analyzed for VOCs, PNAs and TPH.

The result indicated that there were no VOCs detected at any of the sample locations with the exception of a low concentration of toluene (0.0075 mg/kg) at GP-6, which was well below the default closure level of 12 mg/kg. A few PNA compounds were also detected in soil samples GP-5 and GP-8, but these concentrations were also below all applicable clean criteria. Soil TPH concentrations from GP-8 were also below the state action level (100 mg/kg).

3.0 GROUNDWATER SAMPLING

3.1 Methodology

As part of the subsurface sampling activities conducted on April 22, 2005, seven temporary well points were installed through the centers of the borings to assess the groundwater at the site. The approximate locations of the borings/wells are shown on Figure 2. The complete soil boring logs/well construction diagrams are included as Appendix A.

The temporary well points were screened to intercept the shallow groundwater unit beneath the site. Development was accomplished by the use of a new dedicated disposable plastic bailer for each well. Each well point was developed by removing a minimum of three to five well volumes or until the well began to go dry. Approximately one to two gallons of water were purged from each well. The wells were allowed to recharge following development. After the water level stabilized, groundwater samples were collected using the dedicated disposable plastic bailer and transferred into appropriate laboratory supplied bottles. The samples were then secured in a sample cooler and preserved with ice. Under strict sample chain-of-custody procedures, the samples were delivered to First Environmental Laboratories in Naperville, Illinois.

3.2 Groundwater Regulatory Standards

Under the Indiana *Risk Integrated System of Closures (RISC)* document, IDEM has defined groundwater Default Closure Levels (DCLs) for residential and commercial land use scenarios as well as a general default closure levels. Groundwater sample analytical results along with the applicable DCLs are shown in Table 2.

3.3 Groundwater Sampling Results

To evaluate the historical use of the site, seven groundwater samples were collected for analysis. All of the samples were analyzed for VOCs with four of the samples also analyzed for PNAs. Two of the groundwater samples were also analyzed for bis(2ethylhexl)phthalate, due to past detections reported in a previous sampling investigation conducted in this area. Additionally, TPH was analyzed in the sample at GP-8, due to the apparent former location of a UST in this area. The groundwater sampling results are summarized below and are presented in Table 2. The laboratory analytical data sheets are included in Appendix C.

Three temporary wells (GP-1, GP-2 and GP-7) were advanced to investigate overall historical site use. Temporary wells GP-4, GP-5 and GP-6 were also advanced to investigate overall historical site use and to investigate the former soil sample investigation area (former hazardous waste storage area) north of the building. Temporary well GP-8 was installed to investigate overall site use, presence of a 500-gallon kerosene AST and suspect fill materials.

No suspect odors or staining was observed at any of the seven temporary well locations installed at the site. All wells were installed with a 10 foot-long well screen and appropriate riser. Groundwater was observed to be in several different moist to wet clayey silt layers between 8 and 20 feet with no consistent water-bearing unit across the site.

No VOCs, PNAs, bis(2ethylhexyl)phthalate or TPH was found above the detection limit at any of the temporary well locations. Groundwater impact was not found at any of the sampling locations installed at the site.

4.0 CONCLUSIONS AND RECOMMENDATIONS

GaiaTech completed a Limited Phase II Investigation of the Lucent Polymers facility located at 1800 Lynch Road in Evansville, Vanderburg County, Indiana. Eight soil borings were advanced on the site. Five soil samples and seven groundwater samples were collected and selectively analyzed for VOCs, PNAs, bis(2-ethylhexyl)phthalate and TPH to evaluate potential historical impacts.

The GaiaTech investigation indicated the following:

No soil or groundwater samples collected at the site contained compounds that exceeded the IDEM default closure levels. No further investigation, reporting or sampling is recommended at this time.

5.0 LIMITATIONS

This report is prepared for the sole benefit of Clearview Capital and may not be relied upon by any other person or entity. This report and the findings shall not, in whole or in part, be distributed or transmitted to any other party, nor used by any other party, without the prior written consent of GaiaTech.

GaiaTech has conducted these professional services in accordance with current scientific principles and industrial standards of practices in the fields of environmental science and engineering on the date the work was conducted and in the same geographical area of the subject site for similar studies. GaiaTech's findings and recommendations must be considered as professional opinions based upon the limited data collected during the course of the environmental site investigation, which is limited in time and scope. GaiaTech makes no warranty, express or implied.

Only a limited number of soil and groundwater samples were collected from widely spaced soil borings. The variations among these samples and results may not become evident until further investigation. In the event that more data are available, it may be necessary to re-assess the conditions of the subject site in order to revise the conclusions and recommendations contained in this report.

Independent laboratories have performed analytical laboratory analyses. GaiaTech has derived the findings and recommendations, in part, from the analytical reports. These findings are contingent upon the validity of the analytical reports.

Limited soil and groundwater samples were analyzed for specific parameters as detailed in the report. Other chemical compounds, which were not analyzed for, may exist at the site, although unlikely based upon available information.

Tables

- **Soil Analytical Results**
- **Groundwater Analytical Results**

Project No. A1334-420-0

TABLE 1
GROUNDWATER ANALYTICAL RESULTS
(2005)

Lucent Polymers
Evansville, Indiana

Sample #	MCL	RISC Industrial/Commerical	RISC Default Closure Level	GP-1	GP-2	GP-4	GP-5	GP-6	GP-7	GP-8
Date Sampled				04/22/2005	04/22/2005	04/22/2005	04/22/2005	04/22/2005	04/22/2005	04/22/2005
Volatile Organic Compounds USEPA Method 8260	**mg/L**			**mg/L**						
All Parameters	varies	varies	varies	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Polynuclear Aromatic Hydrocarbons - USEPA Method 3510C/8270SIM	**mg/L**			**mg/L**						
Acenaphthene	NL	6.1	4.2	NA	NA	NA	<0.01	<0.01	<0.01	<0.01
Acenaphthylene	NL	0.73	0.73	NA	NA	NA	<0.01	<0.01	<0.01	<0.01
Anthracene	NL	31	0.043	NA	NA	NA	<0.005	<0.005	<0.005	<0.005
Benzo(a)anthracene	NL	0.0039	0.0039	NA	NA	NA	<0.00013	<0.00013	<0.00013	<0.00013
Benzo(a)pyrene	0.0002	0.00039	0.00039	NA	NA	NA	<0.0002	<0.0002	<0.0002	<0.0002
Benzo(b)fluoranthene	NL	0.0039	0.0015	NA	NA	NA	<0.00018	<0.00018	<0.00018	<0.00018
Benzo(g,h,i)perylene	NL	0.039	0.00026	NA	NA	NA	<0.0004	<0.0004	<0.0004	<0.0004
Benzo(k)fluoranthene	NL	0.039	0.0008	NA	NA	NA	<0.00017	<0.00017	<0.00017	<0.00017
Chrysene	NL	0.39	0.0016	NA	NA	NA	<0.0015	<0.0015	<0.0015	<0.0015
Dibenz(a,h)anthracene	NL	0.00039	0.00039	NA	NA	NA	<0.0003	<0.0003	<0.0003	<0.0003
Fluoranthene	NL	4.1	0.21	NA	NA	NA	<0.002	<0.002	<0.002	<0.002
Fluorene	NL	4.1	2	NA	NA	NA	<0.002	<0.002	<0.002	<0.002
Indeno (1,2,3-cd)pyrene	NL	0.0039	0.000022	NA	NA	NA	<0.0003	<0.0003	<0.0003	<0.0003
Naphthalene	NL	2	2	NA	NA	NA	<0.01	<0.01	<0.01	<0.01
Phenathrene	NL	0.31	0.31	NA	NA	NA	<0.005	<0.005	<0.005	<0.005
Pyrene	NL	3.1	0.14	NA	NA	NA	<0.002	<0.002	<0.002	<0.002
Bis(2-ethylhexyl)phthalate - USEPA Method 3510C/8270SIM	**mg/L**			**mg/L**						
Bis(2-ethylhexyl)phthalate	0.006	0.2	0.2	NA	NA	NA	<0.005	<0.005	<0.005	NA
Total Petroleum Hydrocarbons (TPH) USEPA Method 8015B	**mg/L**			**mg/L**						
TPH - Gasoline	NL	NL	1	NA	NA	NA	NA	NA	NA	<0.25
TPH - Diesel or DRO	NL	NL	1	NA	NA	NA	NA	NA	NA	<0.25
TPH - Oil	NL	NL	1	NA	NA	NA	NA	NA	NA	<0.25

Notes:

NL: Not Listed

RISC Technical Guide - Cleanup levels established by IDEM on January 1, 2004

VOCs - volatile organic compounds

8270sim utilized for PNA Analysis

Project No: A1334-420-0

TABLE 2
SOIL ANALYTICAL RESULTS
(4/22/05)

Lucent Polymers
Evansville, Indiana

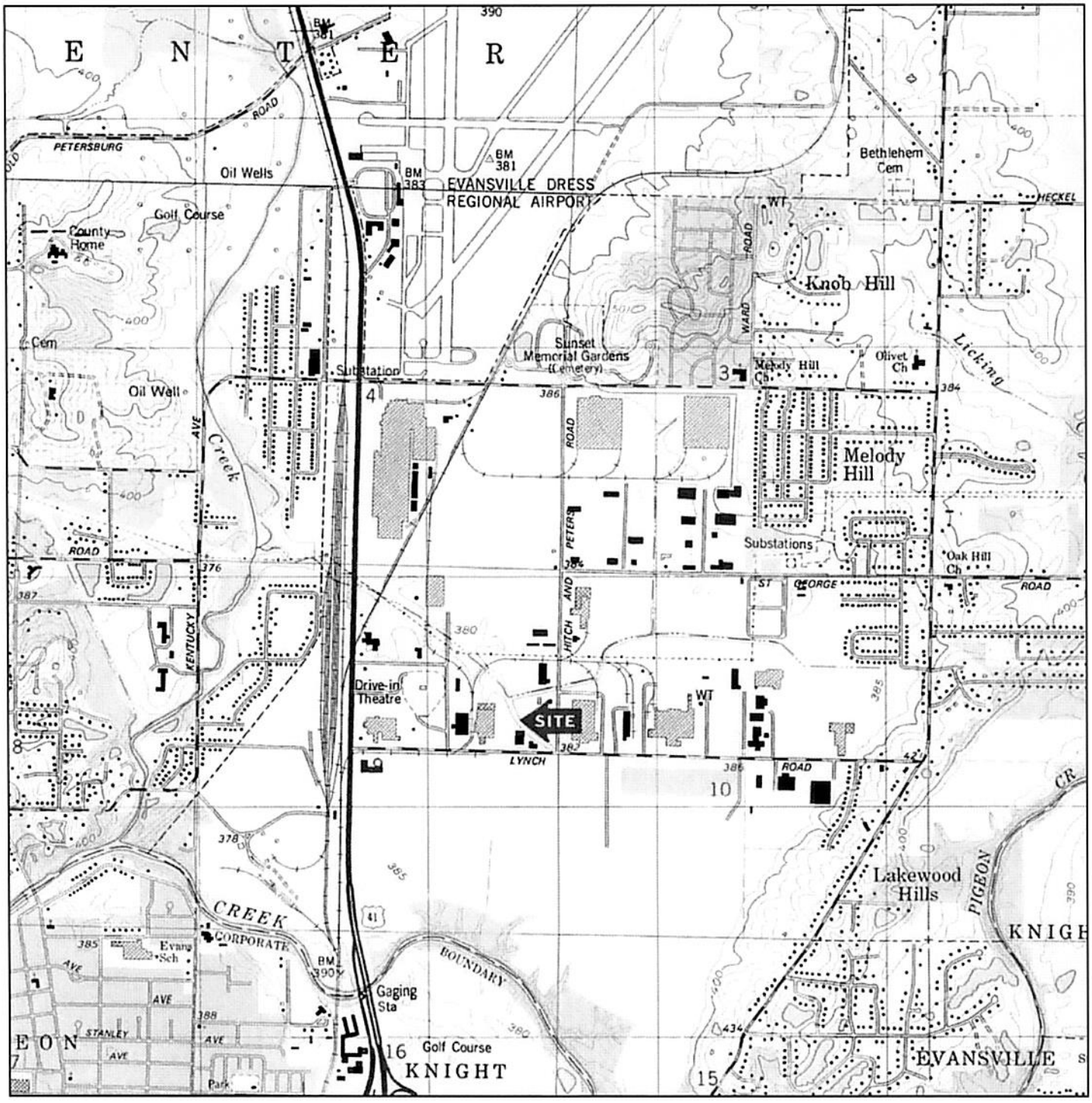
Sample #	RISC Default Construction	RISC Default Direct Contact	RISC Default Mitigration to Groundwater	RISC Default Closure Level	GP-1	GP-4	GP-5	GP-6	GP-8
Sample Depth					1-3'	2-4'	1-3'	1.5-2.5	4-6'
Date Sampled					04/22/2005	04/22/2005	04/22/2005	04/22/2005	04/22/2005
Volatle Organic Compounds USEPA Method 5035/8260	**(mg/kg)**	**(mg/kg)**	**(mg/kg)**	**(mg/kg)**	**mg/kg**				
Toluene	11,000	1,700	12	12	<0.005	<0.005	<0.005	0.0075	<0.005
Polynuclear Aromatic Hydrocarbons - USEPA Method 3510C/8270SIM	**(mg/kg)**	**(mg/kg)**	**(mg/kg)**	**(mg/kg)**	**mg/kg**				
Acenaphthene	50,000	9,500	130	130	NA	NA	<0.050	<0.050	<0.050
Acenaphthylene	5,900	1,100	18	18	NA	NA	<0.050	<0.050	<0.050
Anthracene	250,000	47,000	51	51	NA	NA	<0.050	<0.050	<0.050
Benzo(a)anthracene	790	5	19	5	NA	NA	0.0333	<0.0087	0.0466
Benzo(a)pyrene	79	0.5	8.2	0.5	NA	NA	0.048	<0.015	0.057
Benzo(b)fluoranthene	790	5	57	5	NA	NA	0.036	<0.011	0.058
Benzo(g,h,i)perylene	7,900	50	16	16	NA	NA	<0.050	<0.050	<0.050
Benzo(k)fluoranthene	7,900	50	39	39	NA	NA	0.049	<0.011	0.068
Chrysene	79,000	500	25	25	NA	NA	<0.050	<0.050	0.066
Dibenzo(a,h)anthracene	79	0.5	18	0.5	NA	NA	<0.020	<0.020	<0.020
Fluoranthene	33,000	6,300	880	880	NA	NA	<0.050	<0.050	0.075
Fluorene	33,000	6,300	170	170	NA	NA	<0.050	<0.050	<0.005
Indeno (1,2,3-cd)pyrene	790	5	3.1	3.1	NA	NA	0.033	<0.029	0.037
Naphthalene	17,000	3,200	0.7	0.7	NA	NA	<0.025	<0.025	<0.025
Phenathrene	2,500	470	13	13	NA	NA	<0.050	<0.050	0.088
Pyrene	25,000	4,700	570	570	NA	NA	<0.050	<0.050	0.06
Bis(2-ethylhexyl) phthalate USEPA Method 3510C/8270SIM	**(mg/kg)**	**(mg/kg)**	**(mg/kg)**	**(mg/kg)**	**mg/kg**				
Bis(2-ethylhexyl)phthalate	18,000	300	3,600	300	NA	NA	<0.330	<0.330	NA
Total Petroleum Hydrocarbons (TPH) - USEPA Method 8015	**(mg/kg)**	**(mg/kg)**	**(mg/kg)**	**(mg/kg)**	**mg/kg**				
Gasoline Range	NL	NL	NL	100	NA	NA	NA	NA	<10
Diesel Range	NL	NL	NL	100	NA	NA	NA	NA	<10
Oil Range	NL	NL	NL	100	NA	NA	NA	NA	48
PID Readings					**Vppm**				
					3.6	5.6	3.1	8.6	6.9

Notes:

VOC- volatile orgainc compound
NL: Not Listed
NA: Not Analyzed
RISC Technical Guide - Cleanup levels established by IDEM on January 1, 2004

Figures

- **Figure 1 Site Location Map**
- **Figure 2 Site Plan with Boring Locations**



Scale 1: 24 000
Contour Interval 10 Feet

1 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

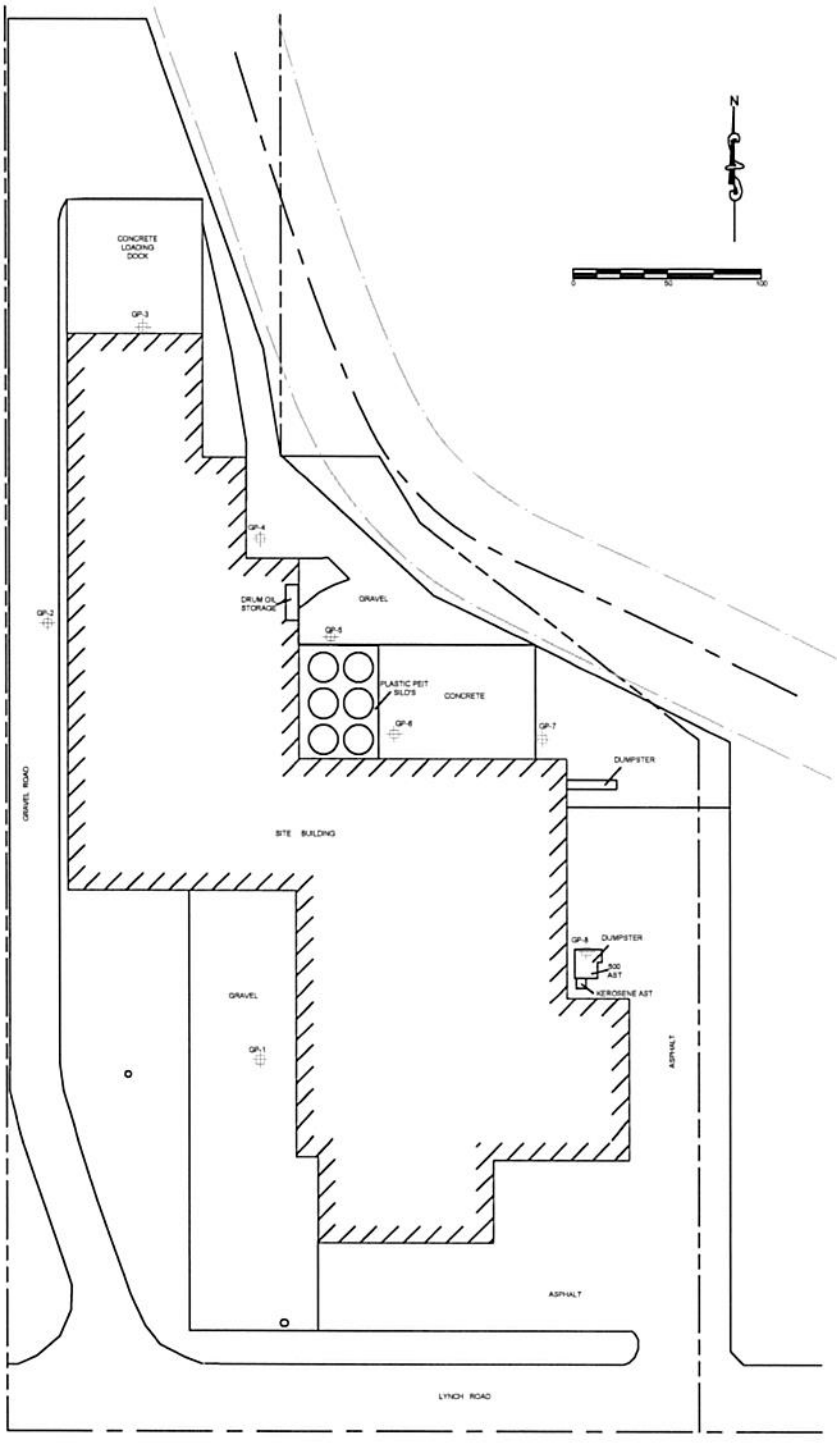
Quadrangle Location

UNITED STATES GEOLOGICAL SURVEY
EVANSVILLE NORTH QUADRANGLE
INDIANA
7.5 MINUTE SERIES (TOPOGRAPHIC)
1981
PHOTOREVISED 1988

Lucent Polymers
Evansville, Indiana
Project No. A1334-420-0

Site Location Map

GaiaTech



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SITE LAYOUT AND BORING LOCATIONS
LUCENT POLYMERS
1800 LYNCH ROAD
EVANSVILLE, IN

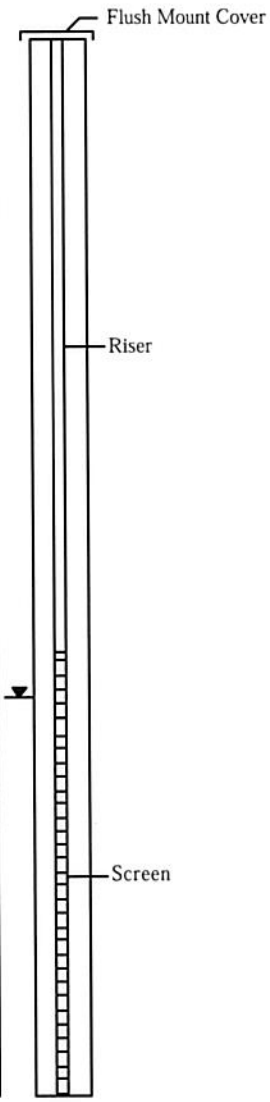
DRWN	CHECK	DATE	SCALE	CADD FILE NO.	FIG. NO.
RJ		4/25/05	1=50	A1334-420-0	

Appendix A

Boring Logs

SOIL BORING CONSTRUCTION INFORMATION		SURVEY INFORMATION		WELL CONSTRUCTION INFORMATION	
Date/Time Started	: 4/22/2005	Northing Coord.	: N/A	Well Screen Type	: N/A
Date/Time Completed	: 4/22/2005	Easting Coord.	: N/A	Well Screen Slot Size	: N/A
Total Depth of Boring	: approx 24 feet bgs	Top of Casing Elev.	: N/A	Length of Well Screen	: 10 FT
Total Depth of Well	: N/A	Surface Elevation	: N/A	Well Riser Type	: N/A
Logged By	: LARRY BERTSCH	GW Elevation Drilling	: N/A	Length of Riser	: N/A
Drilling Method	: Geoprobe	GW Elevation Final	: N/A	Well Diameter	: N/A
Hole Diameter	: 2 inches	Surveyed By	: N/A	Joints	: N/A
Drilling Company	: HARRIS Drilling	Date Surveyed	: N/A	Annular Seal	: N/A
Sampling Method	:	Benchmark Reference	: N/A	Well Completed as	: Temporary Well

Depth in	Samples	Blow Count	% Recovery	PID (ppm)	USCS	GRAPHIC	DESCRIPTION
0					FL		0-1' FILL, BROWN CRUSHED STONE
	1	N/A		3.6			1-17' BROWN TO BROWN/GRAY SILTY CLAY, FIRM, DAMP, NO ODOR, LP, MOIST TO WET LAYER AT 15'
	2	N/A	100	3.6			
5	3	N/A		0.7			
	4	N/A	95	0.9			
	5	N/A		0.4	CL-ML		
10	6	N/A	100	0.3			
	7	N/A		0.4			
15	8	N/A	100	0.2			
	9	N/A		0.3			17-24' GRAY CLAYEY SILT, TRACE SAND, FIRM, MOIST TO VERY MOIST, LP, NO ODOR
	10	N/A	100	0.2			
20	11	N/A		0.3	ML		
	12	N/A	100	0.1			
25							End of Boring at 24 feet below ground surface.



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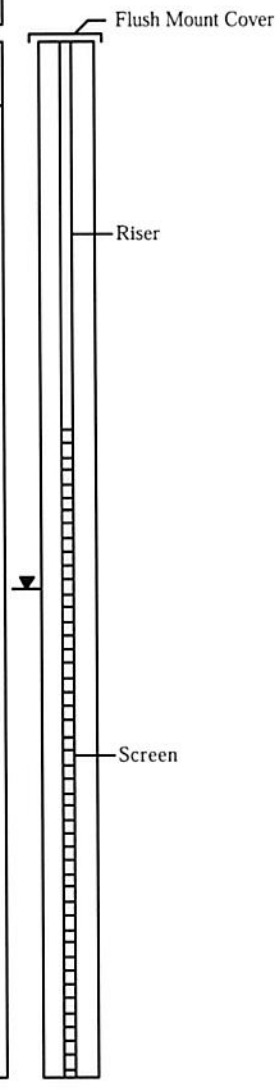
BORING GP-1

SOIL BORING CONSTRUCTION INFORMATION		SURVEY INFORMATION		WELL CONSTRUCTION INFORMATION	
Date/Time Started	: 4/22/2005	Northing Coord.	: N/A	Well Screen Type	: N/A
Date/Time Completed	: 4/22/2005	Easting Coord.	: N/A	Well Screen Slot Size	: N/A
Total Depth of Boring	: approx 16 feet bgs	Top of Casing Elev.	: N/A	Length of Well Screen	: 10 FT
Total Depth of Well	: approx 16 feet bgs	Surface Elevation	: N/A	Well Riser Type	: N/A
Logged By	: LARRY BERTSCH	GW Elevation Drilling	: N/A	Length of Riser	: N/A
Drilling Method	: Geoprobe	GW Elevation Final	: N/A	Well Diameter	: N/A
Hole Diameter	: 2 inches	Surveyed By	: N/A	Joints	: N/A
Drilling Company	: HARRIS Drilling	Date Surveyed	: N/A	Annular Seal	: N/A
Sampling Method	:	Benchmark Reference	: N/A	Well Completed as	: Temporary Well

Depth in	Samples	Blow Count	% Recovery	PID (ppm)	USCS	GRAPHIC	DESCRIPTION
0					FL		0-1' FILL, CRUSHED STONE AND SAND & GRAVEL
	1	N/A		0.7			1-16' BROWN SILTY CLAY TRACE SAND, LP, NO ODOR, DAMP, MOIST TO WET AT 7'
	2	N/A	90	0.8			
5	3	N/A		0.6			
	4	N/A	100	0.3			
	5	N/A		0.2	CL-ML		
10	6	N/A	100	0.1			
	7	N/A		0.2			
15	8	N/A	100	0.4			

End of Boring at 16 feet below ground surface.



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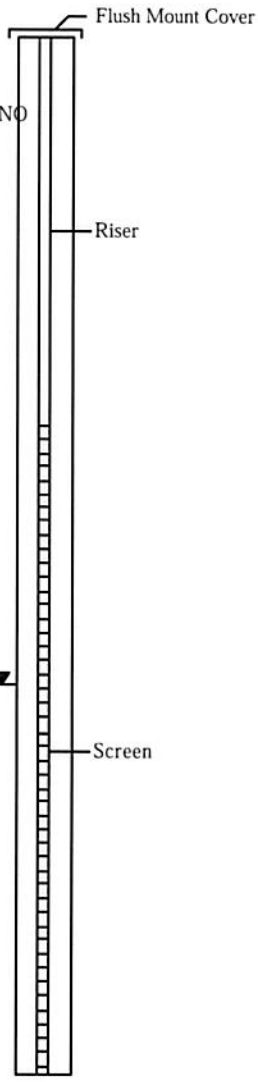
BORING GP-2

SOIL BORING CONSTRUCTION INFORMATION		SURVEY INFORMATION		WELL CONSTRUCTION INFORMATION	
Date/Time Started	: 4/22/2005	Northing Coord.	: N/A	Well Screen Type	: N/A
Date/Time Completed	: 4/22/2005	Easting Coord.	: N/A	Well Screen Slot Size	: N/A
Total Depth of Boring	: approx 16 feet bgs	Top of Casing Elev.	: N/A	Length of Well Screen	: 6 FT
Total Depth of Well	: approx 16 feet bgs	Surface Elevation	: N/A	Well Riser Type	: N/A
Logged By	: LARRY BERTSCH	GW Elevation Drilling	: N/A	Length of Riser	: N/A
Drilling Method	: Geoprobe	GW Elevation Final	: N/A	Well Diameter	: N/A
Hole Diameter	: 2 inches	Surveyed By	: N/A	Joints	: N/A
Drilling Company	: HARRIS Drilling	Date Surveyed	: N/A	Annular Seal	: N/A
Sampling Method	:	Benchmark Reference	: N/A	Well Completed as	: Temporary Well

Depth in	Samples	Blow Count	% Recovery	PID (ppm)	USCS	GRAPHIC	DESCRIPTION
0					FL		0-1' FILL, 8" CONCRETE, 4" CRUSHED STONE
	1	N/A		0.3			1-10.5' BROWN SILTY CLAY TRACE SAND, STIFF, DAMP, NO ODOR
	2	N/A	85	0.4			
5	3	N/A		0.3			
	4	N/A	100	0.2	CL-ML		
	5	N/A		0.3			
10	6	N/A	100	0.1			10.5-15' BROWN CLAYEY SILT, FIRM, MOIST, LP, NO ODOR
	7	N/A		0.2	CL		
15	8	N/A	100	0.2			
					CL		15-16' GRAY, CLAYEY SILT, SOFT, MOIST TO WET, NO ODOR, LP

End of Boring at 16 feet below ground surface.



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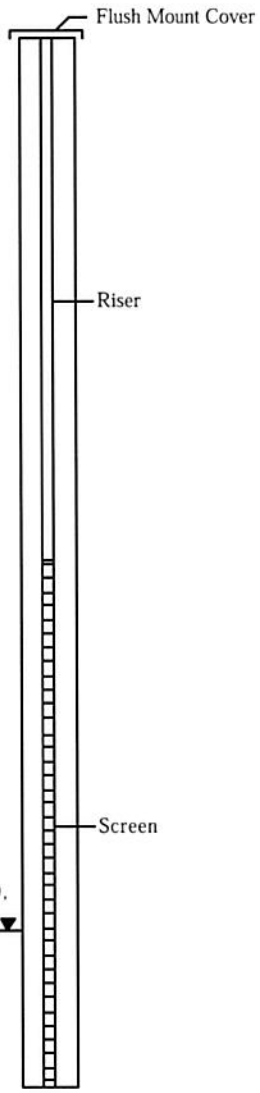
BORING GP-3

SOIL BORING CONSTRUCTION INFORMATION		SURVEY INFORMATION		WELL CONSTRUCTION INFORMATION	
Date/Time Started	: 4/22/2005	Northing Coord.	: N/A	Well Screen Type	: N/A
Date/Time Completed	: 4/22/2005	Easting Coord.	: N/A	Well Screen Slot Size	: N/A
Total Depth of Boring	: approx 20 feet bgs	Top of Casing Elev.	: N/A	Length of Well Screen	: 10 FT
Total Depth of Well	: approx 20 feet bgs	Surface Elevation	: N/A	Well Riser Type	: N/A
Logged By	: LARRY BERTSCH	GW Elevation Drilling	: N/A	Length of Riser	: N/A
Drilling Method	: Geoprobe	GW Elevation Final	: N/A	Well Diameter	: N/A
Hole Diameter	: 2 inches	Surveyed By	: N/A	Joints	: N/A
Drilling Company	: HARRIS Drilling	Date Surveyed	: N/A	Annular Seal	: N/A
Sampling Method	:	Benchmark Reference	: N/A	Well Completed as	: Temporary Well

Depth in	Samples	Blow Count	% Recovery	PID (ppm)	USCS	GRAPHIC	DESCRIPTION
0	1	N/A		3.2	FL		0-2' FILL, 4" CRUSHED STONE, UNDERLINE BY BROWN SILTY CLAY 2" ASPHALT AT 1'10"
	2	N/A	85	5.6	CL-ML		2-10.5' DARK BROWN TO BROWN SILTY CLAY, LITTLE SAND, DRY LOOSE TO HARD, NO ODOR, LOW PLASTICITY
5	3	N/A		2.6			
	4	N/A	100	0.7			
	5	N/A		0.8			
10	6	N/A	100	0.9	ML		10.5-16' BROWN CLAYEY SILT, FIRM, V.MOIST AT 10.5', LP, NO ODOR
	7	N/A		0.8			
15	8	N/A	100	0.7			
	9	N/A		0.5	ML		16-20' GRAY CLAYEY SILT, MOIST TO WET, TRACE SAND, LOW PLASTICITY
	10	N/A		0.3			
20							End of Boring at 20 feet below ground surface.



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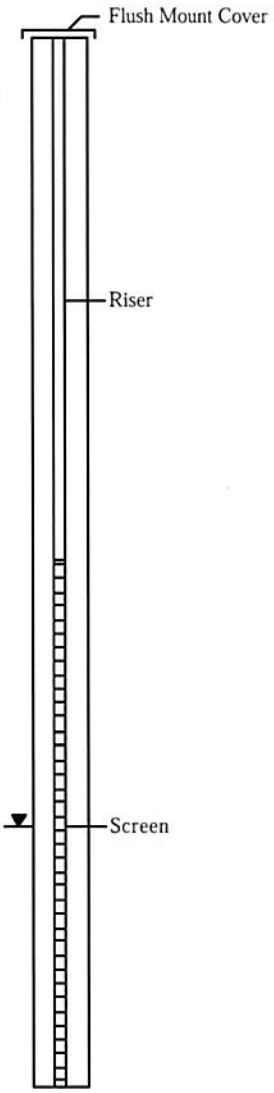
BORING GP-4

SOIL BORING CONSTRUCTION INFORMATION		SURVEY INFORMATION		WELL CONSTRUCTION INFORMATION	
Date/Time Started	: 4/22/2005	Northing Coord.	: N/A	Well Screen Type	: N/A
Date/Time Completed	: 4/22/2005	Easting Coord.	: N/A	Well Screen Slot Size	: N/A
Total Depth of Boring	: approx 20 feet bgs	Top of Casing Elev.	: N/A	Length of Well Screen	: 10 FT
Total Depth of Well	: approx 20 feet bgs	Surface Elevation	: N/A	Well Riser Type	: N/A
Logged By	: LARRY BERTSCH	GW Elevation Drilling	: N/A	Length of Riser	: N/A
Drilling Method	: Geoprobe	GW Elevation Final	: N/A	Well Diameter	: N/A
Hole Diameter	: 2 inches	Surveyed By	: N/A	Joints	: N/A
Drilling Company	: HARRIS Drilling	Date Surveyed	: N/A	Annular Seal	: N/A
Sampling Method	:	Benchmark Reference	: N/A	Well Completed as	: Temporary Well

Depth in	Samples	Blow Count	% Recovery	PID (ppm)	USCS	DESCRIPTION
0					FL	0-1' FILL, CRUSHED STONE
	1	N/A		3.1		1-9'' DARK BROWN TO BROWN SILTY CLAY, TRACE SAND, LP, DAMP
	2	N/A	90	3.1		
5	3	N/A		2.8	ML-CL	
	4	N/A	100	1.6		
	5	N/A		0.9		9-12.5'' BROWN CLAYEY SILT, FIRM, MOIST, NO ODOR
10	6	N/A	100	0.8	ML	
	7	N/A		0.6		12.5-20' GRAY SILTY CLAY, SOFT, MOIST, NO ODOR, LP
15	8	N/A	100	0.5		
	9	N/A			ML-CL	
	10	N/A				
20						End of Boring at 20 feet below ground surface.



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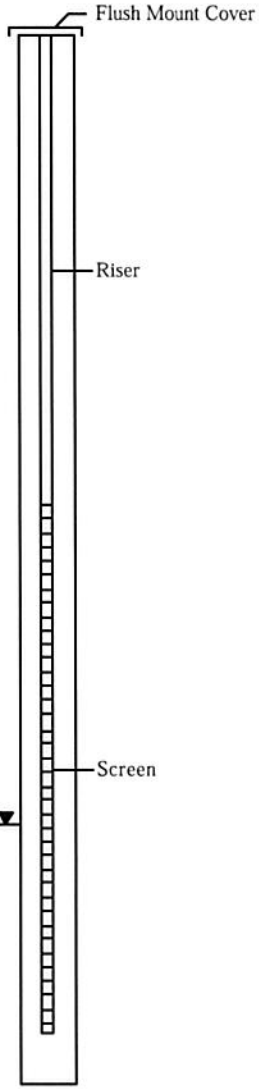
BORING GP-5

SOIL BORING CONSTRUCTION INFORMATION		SURVEY INFORMATION		WELL CONSTRUCTION INFORMATION	
Date/Time Started	: 4/22/2005	Northing Coord.	: N/A	Well Screen Type	: N/A
Date/Time Completed	: 4/22/2005	Easting Coord.	: N/A	Well Screen Slot Size	: N/A
Total Depth of Boring	: approx 20 feet bgs	Top of Casing Elev.	: N/A	Length of Well Screen	: 10 FT
Total Depth of Well	: approx 19 feet bgs	Surface Elevation	: N/A	Well Riser Type	: N/A
Logged By	: LARRY BERTSCH	GW Elevation Drilling	: N/A	Length of Riser	: N/A
Drilling Method	: Geoprobe	GW Elevation Final	: N/A	Well Diameter	: N/A
Hole Diameter	: 2 inches	Surveyed By	: N/A	Joints	: N/A
Drilling Company	: HARRIS Drilling	Date Surveyed	: N/A	Annular Seal	: N/A
Sampling Method	:	Benchmark Reference	: N/A	Well Completed as	: Temporary Well

Depth in	Samples	Blow Count	% Recovery	PID (ppm)	USCS	GRAPHIC	DESCRIPTION
0	1	N/A		N/A	FL		0-1'4" FILL, 6" CONCRETE, 8" CRUSHED STONE, OTHER FILL
					CL-OL		1'4"-2.5' GREENISH GRAY, SILTY CLAY, ORGANIC, ODOR
	2	N/A	75	8.6	ML-CL		2.5-9.5' BROWN SILTY CLAY, FIRM, DAMP, LP, NO ODOR
5	3	N/A		4.3			
	4	N/A	100	0.9			
	5	N/A		1.1			
10	6	N/A	100	0.8	CL		9.5-15' BROWN CLAYEY SILT, TRACE WHITE SHELLS, SAND, LOW PLASTICITY, NO ODOR, MOIST
	7	N/A		0.6			
15	8	N/A	100	0.5	ML		15-20' GRAY CLAYEY SILT, SOFT, MOIST, LOW TO MED PLASTICITY, NO ODOR
	9	N/A		0.3			
	10	N/A	100	0.2			
20							End of Boring at 20 feet below ground surface.



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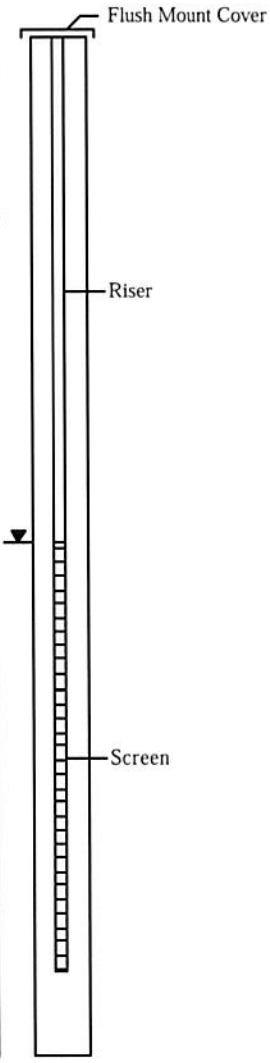
BORING GP-6

SOIL BORING CONSTRUCTION INFORMATION		SURVEY INFORMATION		WELL CONSTRUCTION INFORMATION	
Date/Time Started	: 4/22/2005	Northing Coord.	: N/A	Well Screen Type	: N/A
Date/Time Completed	: 4/22/2005	Easting Coord.	: N/A	Well Screen Slot Size	: N/A
Total Depth of Boring	: approx 24 feet bgs	Top of Casing Elev.	: N/A	Length of Well Screen	: 10 FT
Total Depth of Well	: approx 24 feet bgs	Surface Elevation	: N/A	Well Riser Type	: N/A
Logged By	: LARRY BERTSCH	GW Elevation Drilling	: N/A	Length of Riser	: N/A
Drilling Method	: Geoprobe	GW Elevation Final	: N/A	Well Diameter	: N/A
Hole Diameter	: 2 inches	Surveyed By	: N/A	Joints	: N/A
Drilling Company	: HARRIS Drilling	Date Surveyed	: N/A	Annular Seal	: N/A
Sampling Method	:	Benchmark Reference	: N/A	Well Completed as	: Temporary Well

Depth in	Samples	Blow Count	% Recovery	PID (ppm)	USCS	GRAPHIC	DESCRIPTION
0	1	N/A		0.7	FL		0-4' FILL, BROWN TO GRAY SAND & GRAVEL, CLAY WITH GRAVEL, NO ODOR
	2	N/A	75	0.9			
5	3	N/A		1.8	ML-CL		4-16' BROWN SILTY CLAY, LOW PLASTICITY, DAMP, NO ODOR, YELLOW-BROWN & GRAY, BROWN MOIST AT 12'
	4	N/A	100	1.6			
	5	N/A		5.8			
10	6	N/A	100	7.1			
	7	N/A		6.6			
15	8	N/A	100	1.9			
	9	N/A		N/A	ML		16-23.5' BROWN CLAYEY SILT, FIRM TO SOFT, MOIST, LP
	10	N/A	100	N/A			
20							
					ML		23.5-24' GRAY CLAYEY SILT, SOFT TO FIRM, LP, NO ODOR
25							End of Boring at 24 feet below ground surface.

Well: GP-7
Type:



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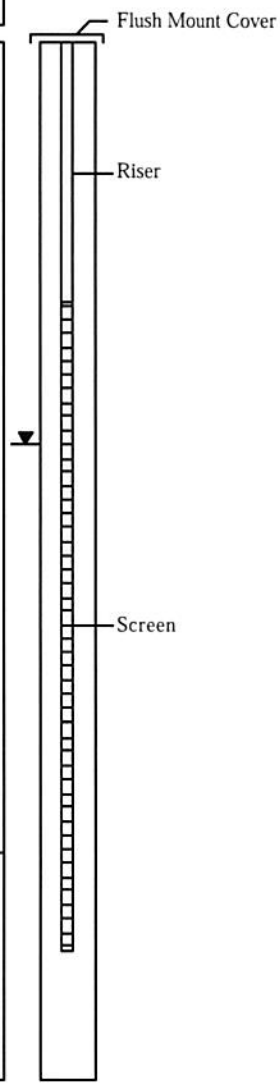
BORING GP-7

SOIL BORING CONSTRUCTION INFORMATION		SURVEY INFORMATION		WELL CONSTRUCTION INFORMATION	
Date/Time Started	: 4/22/2005	Northing Coord.	: N/A	Well Screen Type	: N/A
Date/Time Completed	: 4/22/2005	Easting Coord.	: N/A	Well Screen Slot Size	: N/A
Total Depth of Boring	: approx 16 feet bgs	Top of Casing Elev.	: N/A	Length of Well Screen	: 10 FT
Total Depth of Well	: approx 14 feet bgs	Surface Elevation	: N/A	Well Riser Type	: N/A
Logged By	: LARRY BERTSCH	GW Elevation Drilling	: N/A	Length of Riser	: N/A
Drilling Method	: Geoprobe	GW Elevation Final	: N/A	Well Diameter	: N/A
Hole Diameter	: 2 inches	Surveyed By	: N/A	Joints	: N/A
Drilling Company	: HARRIS Drilling	Date Surveyed	: N/A	Annular Seal	: N/A
Sampling Method	:	Benchmark Reference	: N/A	Well Completed as	: Temporary Well

Depth in	Samples	Blow Count	% Recovery	PID (ppm)	USCS	GRAPHIC	DESCRIPTION
0							
	1	N/A		0.7			0-12.5' FILL, 4" ASPHALT, BROWN SAND, NO ODOR, VERY LOOSE, WET AT 6'
	2	N/A	50	1.1			
5	3	N/A		3.6			
	4	N/A	50	6.9	F		
	5	N/A		6.8			
10	6	N/A	50	5.2			
	7	N/A		2.1			12.5-16' BROWN SILTY CLAY, TRACE SAND & GRAVEL STIFF, MOIST, SLIGHT PETRO. ODOR
					CL-GC		
15	8	N/A	90	0.7			

End of Boring at 16 feet below ground surface.



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BORING GP-8

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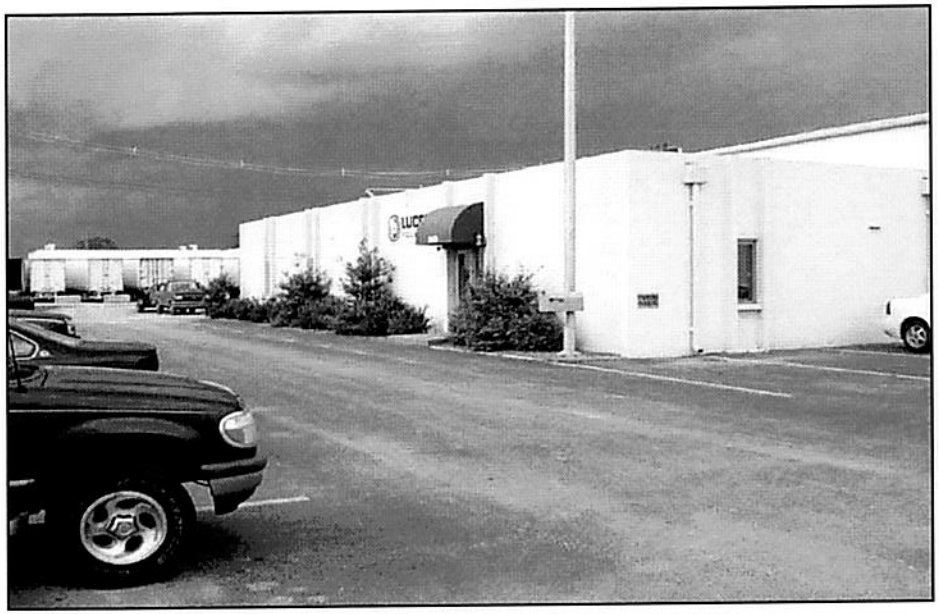

Photo 1: Looking southeast at front of office area of building. 04/22/05

Photo 2: Looking southeast as GP-1 is advanced. 04/22/05

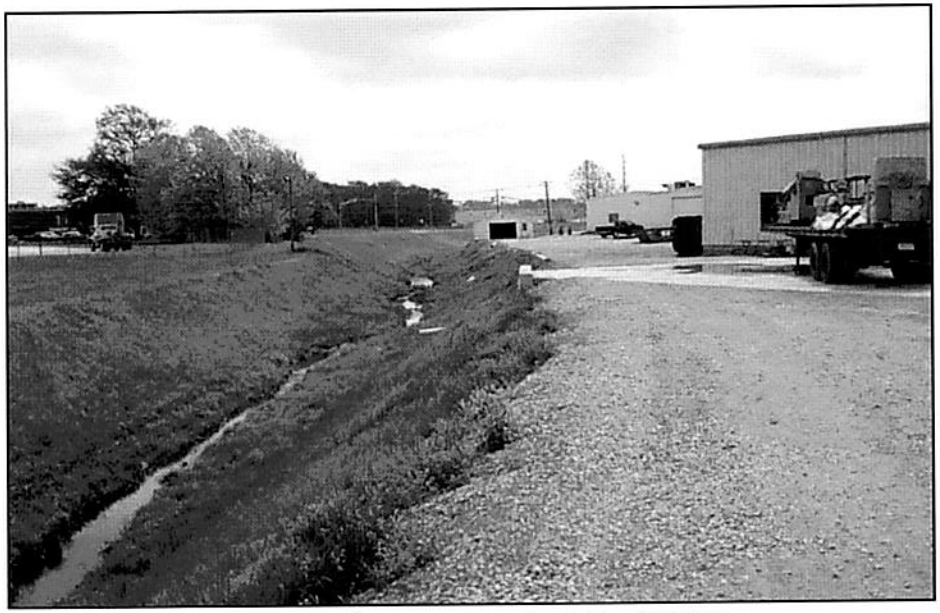

Photo 3: Looking southwest at adjacent creek north of site. 04/22/05

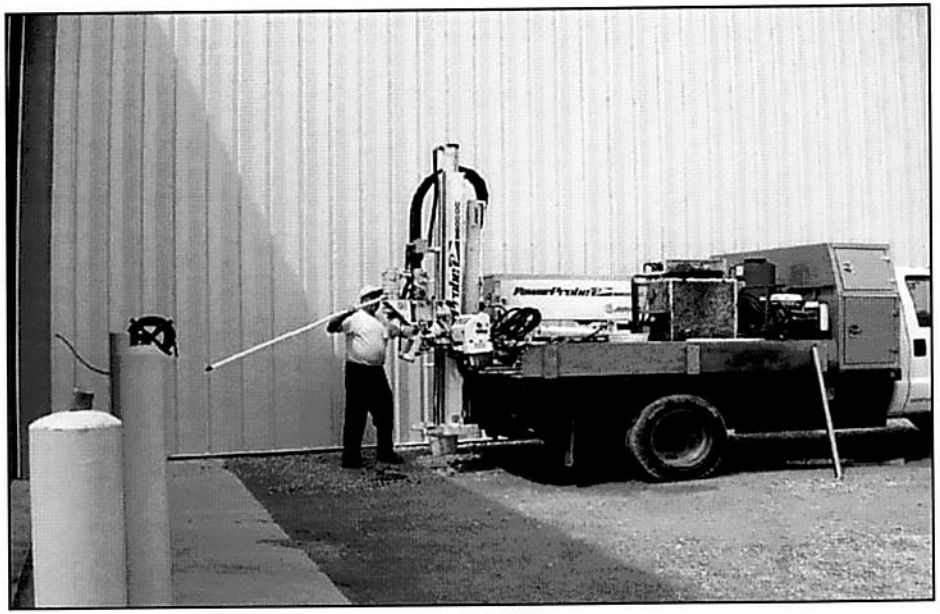

Photo 4: Looking west as GP-4 is installed. 04/22/05

Photo 5: Looking south at former location of previous soil sampling. 04/22/05

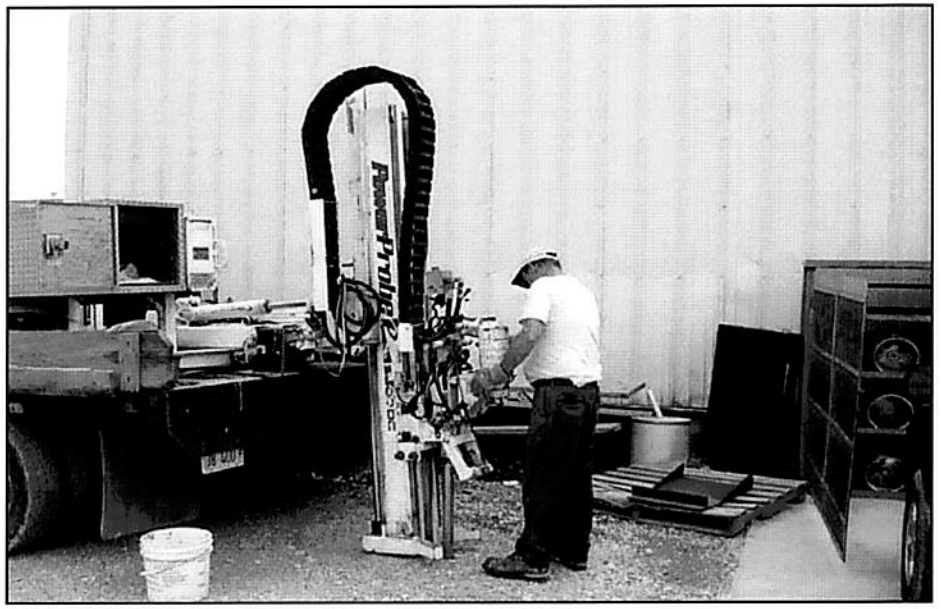

Photo 6: Looking north as GP-7 is advanced. 04/22/05

Photo 7: Looking east at 500-gallon kerosene AST. 04/22/05

Photo 8: Looking west as GP-8 is installed. 04/22/05

Appendix C

Laboratory Analytical Results

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IL ELAP / NELAC Accreditation # 100292

April 27, 2005

Mr. Larry Bertsch
GAIATECH INC.
200 North LaSalle, Suite 2600
Chicago, IL 60601

Project ID: A13344200
First Environmental File ID: 5-0418
Date Received: April 25th, 2005

Dear Mr. Bertsch:

The above referenced project was analyzed as directed on the enclosed chain of custody form.

Analyses were performed in accordance with methods from the USEPA publication: Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, December 1996. The actual method references are listed on the Analytical Report. Results for the soil samples are reported on a dry weight basis per method protocols.

Analyses are NELAC accredited and were performed in accordance with current IL ELAP/NELAP requirements unless otherwise noted. QA/QC documentation and raw data will remain on file for future reference. Our certificate is number 001201, effective 02/17/05 through 02/28/06.

It has been a pleasure providing you with analytical services, and we look forward to working with you again in the future. If you have any questions regarding this report, or need additional information, please contact me at (630) 778-1200.

Sincerely,

Stan Zaworski
Project Manager

First
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IL ELAP / NELAC Accreditation # 100292

Analytical Report

Client: GAIATECH
Project ID: A13344200
Sample ID: GP-1 1-3'
Sample No: 5-0418-001

Date Collected: 04/22/05
Time Collected: 9:00
Date Received: 04/25/05
Date Reported: 04/27/05

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Solids, Total	**Method: 160.3**			
Analysis Date: 04/25/05				
Total Solids	78.14		%	
Volatiles Method 5035A/8260B	**Method: 5035A/8260B**			
Analysis Date: 04/26/05				
Acetone	< 100	100	ug/kg	
Benzene	< 5.0	5.0	ug/kg	
Bromodichloromethane	< 5.0	5.0	ug/kg	
Bromoform	< 5.0	5.0	ug/kg	
Bromomethane	< 10.0	10.0	ug/kg	
2-Butanone (MEK)	< 10.0	10.0	ug/kg	
Carbon disulfide	< 5.0	5.0	ug/kg	
Carbon tetrachloride	< 5.0	5.0	ug/kg	
Chlorobenzene	< 5.0	5.0	ug/kg	
Chlorodibromomethane	< 5.0	5.0	ug/kg	
Chloroethane	< 10.0	10.0	ug/kg	
Chloroform	< 5.0	5.0	ug/kg	
Chloromethane	< 10.0	10.0	ug/kg	
1,1-Dichloroethane	< 5.0	5.0	ug/kg	
1,2-Dichloroethane	< 5.0	5.0	ug/kg	
1,1-Dichloroethene	< 5.0	5.0	ug/kg	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
1,2-Dichloropropane	< 5.0	5.0	ug/kg	
cis-1,3-Dichloropropene	< 5.0	5.0	ug/kg	
trans-1,3-Dichloropropene	< 5.0	5.0	ug/kg	
Ethylbenzene	< 5.0	5.0	ug/kg	
2-Hexanone	< 10.0	10.0	ug/kg	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/kg	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/kg	
Methylene chloride	< 5.0	5.0	ug/kg	
Styrene	< 5.0	5.0	ug/kg	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/kg	
Tetrachloroethene	< 5.0	5.0	ug/kg	
Toluene	< 5.0	5.0	ug/kg	
1,1,1-Trichloroethane	< 5.0	5.0	ug/kg	
1,1,2-Trichloroethane	< 5.0	5.0	ug/kg	
Trichloroethene	< 5.0	5.0	ug/kg	

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Analytical Report

Client:	GAIATECH	**Date Collected:**	04/22/05
Project ID:	A13344200	**Time Collected:**	9:00
Sample ID:	GP-1 1-3'	**Date Received:**	04/25/05
Sample No:	5-0418-001	**Date Reported:**	04/27/05

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Volatiles Method 5035A/8260B	**Method: 5035A/8260B**			
Analysis Date: 04/26/05				
Vinyl acetate	< 10.0	10.0	ug/kg	
Vinyl chloride	< 10.0	10.0	ug/kg	
Xylene, Total	< 5.0	5.0	ug/kg	

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Analytical Report

Client:	GAIATECH	**Date Collected:**	04/22/05
Project ID:	A13344200	**Time Collected:**	11:00
Sample ID:	GP-4 2-4'	**Date Received:**	04/25/05
Sample No:	5-0418-002	**Date Reported:**	04/27/05

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Solids, Total	**Method: 160.3**			
Analysis Date: 04/25/05				
Total Solids	84.38		%	
Volatiles Method 5035A/8260B	**Method: 5035A/8260B**			
Analysis Date: 04/26/05				
Acetone	< 100	100	ug/kg	
Benzene	< 5.0	5.0	ug/kg	
Bromodichloromethane	< 5.0	5.0	ug/kg	
Bromoform	< 5.0	5.0	ug/kg	
Bromomethane	< 10.0	10.0	ug/kg	
2-Butanone (MEK)	< 10.0	10.0	ug/kg	
Carbon disulfide	< 5.0	5.0	ug/kg	
Carbon tetrachloride	< 5.0	5.0	ug/kg	
Chlorobenzene	< 5.0	5.0	ug/kg	
Chlorodibromomethane	< 5.0	5.0	ug/kg	
Chloroethane	< 10.0	10.0	ug/kg	
Chloroform	< 5.0	5.0	ug/kg	
Chloromethane	< 10.0	10.0	ug/kg	
1,1-Dichloroethane	< 5.0	5.0	ug/kg	
1,2-Dichloroethane	< 5.0	5.0	ug/kg	
1,1-Dichloroethene	< 5.0	5.0	ug/kg	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
1,2-Dichloropropane	< 5.0	5.0	ug/kg	
cis-1,3-Dichloropropene	< 5.0	5.0	ug/kg	
trans-1,3-Dichloropropene	< 5.0	5.0	ug/kg	
Ethylbenzene	< 5.0	5.0	ug/kg	
2-Hexanone	< 10.0	10.0	ug/kg	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/kg	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/kg	
Methylene chloride	< 5.0	5.0	ug/kg	
Styrene	< 5.0	5.0	ug/kg	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/kg	
Tetrachloroethene	< 5.0	5.0	ug/kg	
Toluene	< 5.0	5.0	ug/kg	
1,1,1-Trichloroethane	< 5.0	5.0	ug/kg	
1,1,2-Trichloroethane	< 5.0	5.0	ug/kg	
Trichloroethene	< 5.0	5.0	ug/kg	

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Analytical Report

Client:	GAIATECH	**Date Collected:**	04/22/05
Project ID:	A13344200	**Time Collected:**	11:00
Sample ID:	GP-4 2-4'	**Date Received:**	04/25/05
Sample No:	5-0418-002	**Date Reported:**	04/27/05

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Volatiles Method 5035A/8260B	**Method: 5035A/8260B**			
Analysis Date: 04/26/05				
Vinyl acetate	< 10.0	10.0	ug/kg	
Vinyl chloride	< 10.0	10.0	ug/kg	
Xylene, Total	< 5.0	5.0	ug/kg	

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Analytical Report

Client:	GAIATECH	**Date Collected:**	04/22/05
Project ID:	A13344200	**Time Collected:**	12:30
Sample ID:	GP-5 1-3'	**Date Received:**	04/25/05
Sample No:	5-0418-003	**Date Reported:**	04/27/05

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Solids, Total **Method: 160.3**				
Analysis Date: 04/25/05				
Total Solids	83.02		%	
Volatiles Method 5035A/8260B **Method: 5035A/8260B**				
Analysis Date: 04/26/05				
Acetone	< 100	100	ug/kg	
Benzene	< 5.0	5.0	ug/kg	
Bromodichloromethane	< 5.0	5.0	ug/kg	
Bromoform	< 5.0	5.0	ug/kg	
Bromomethane	< 10.0	10.0	ug/kg	
2-Butanone (MEK)	< 10.0	10.0	ug/kg	
Carbon disulfide	< 5.0	5.0	ug/kg	
Carbon tetrachloride	< 5.0	5.0	ug/kg	
Chlorobenzene	< 5.0	5.0	ug/kg	
Chlorodibromomethane	< 5.0	5.0	ug/kg	
Chloroethane	< 10.0	10.0	ug/kg	
Chloroform	< 5.0	5.0	ug/kg	
Chloromethane	< 10.0	10.0	ug/kg	
1,1-Dichloroethane	< 5.0	5.0	ug/kg	
1,2-Dichloroethane	< 5.0	5.0	ug/kg	
1,1-Dichloroethene	< 5.0	5.0	ug/kg	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
1,2-Dichloropropane	< 5.0	5.0	ug/kg	
cis-1,3-Dichloropropene	< 5.0	5.0	ug/kg	
trans-1,3-Dichloropropene	< 5.0	5.0	ug/kg	
Ethylbenzene	< 5.0	5.0	ug/kg	
2-Hexanone	< 10.0	10.0	ug/kg	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/kg	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/kg	
Methylene chloride	< 5.0	5.0	ug/kg	
Styrene	< 5.0	5.0	ug/kg	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/kg	
Tetrachloroethene	< 5.0	5.0	ug/kg	
Toluene	< 5.0	5.0	ug/kg	
1,1,1-Trichloroethane	< 5.0	5.0	ug/kg	
1,1,2-Trichloroethane	< 5.0	5.0	ug/kg	
Trichloroethene	< 5.0	5.0	ug/kg	

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Analytical Report

Client:	GAIATECH	**Date Collected:**	04/22/05
Project ID:	A13344200	**Time Collected:**	12:30
Sample ID:	GP-5 1-3'	**Date Received:**	04/25/05
Sample No:	5-0418-003	**Date Reported:**	04/27/05

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Volatiles Method 5035A/8260B	**Method: 5035A/8260B**			
Analysis Date: 04/26/05				
Vinyl acetate	< 10.0	10.0	ug/kg	
Vinyl chloride	< 10.0	10.0	ug/kg	
Xylene, Total	< 5.0	5.0	ug/kg	
Semi-Volatiles Method 8270C	**Method: 3540C/8270C**	**Preparation Method 3540C**		
Analysis Date: 04/26/05		Preparation Date: 04/25/05		
bis(2-Ethylhexyl)phthalate	< 330	330	ug/kg	
PNAs Method 8270C	**Method: 8270SIM**	**Preparation Method 3540C**		
Analysis Date: 04/26/05		Preparation Date: 04/25/05		
Anthracene	< 50	50	ug/kg	
Acenaphthene	< 50	50	ug/kg	
Acenaphthylene	< 50	50	ug/kg	
Benzo(a)anthracene	33.3	8.7	ug/kg	
Benzo(a)pyrene	48	15	ug/kg	
Benzo(b)fluoranthene	36	11	ug/kg	
Benzo(ghi)Perylene	< 50	50	ug/kg	
Benzo(k)fluoranthene	49	11	ug/kg	
Chrysene	< 50	50	ug/kg	
Dibenzo(a,h)anthracene	< 20	20	ug/kg	
Fluoranthene	< 50	50	ug/kg	
Fluorene	< 50	50	ug/kg	
Indeno(1,2,3-cd)pyrene	33	29	ug/kg	
Naphthalene	< 25	25	ug/kg	
Pyrene	< 50	50	ug/kg	
Phenanthrene	< 50	50	ug/kg	

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Analytical Report

Client: GAIATECH
Project ID: A13344200
Sample ID: GP-6 1.5-2.5'
Sample No: 5-0418-004

Date Collected: 04/22/05
Time Collected: 13:30
Date Received: 04/25/05
Date Reported: 04/27/05

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Solids, Total	**Method: 160.3**			
Analysis Date: 04/25/05				
Total Solids	80.87		%	
Volatiles Method 5035A/8260B	**Method: 5035A/8260B**			
Analysis Date: 04/26/05				
Acetone	< 100	100	ug/kg	
Benzene	< 5.0	5.0	ug/kg	
Bromodichloromethane	< 5.0	5.0	ug/kg	
Bromoform	< 5.0	5.0	ug/kg	
Bromomethane	< 10.0	10.0	ug/kg	
2-Butanone (MEK)	< 10.0	10.0	ug/kg	
Carbon disulfide	< 5.0	5.0	ug/kg	
Carbon tetrachloride	< 5.0	5.0	ug/kg	
Chlorobenzene	< 5.0	5.0	ug/kg	
Chlorodibromomethane	< 5.0	5.0	ug/kg	
Chloroethane	< 10.0	10.0	ug/kg	
Chloroform	< 5.0	5.0	ug/kg	
Chloromethane	< 10.0	10.0	ug/kg	
1,1-Dichloroethane	< 5.0	5.0	ug/kg	
1,2-Dichloroethane	< 5.0	5.0	ug/kg	
1,1-Dichloroethene	< 5.0	5.0	ug/kg	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
1,2-Dichloropropane	< 5.0	5.0	ug/kg	
cis-1,3-Dichloropropene	< 5.0	5.0	ug/kg	
trans-1,3-Dichloropropene	< 5.0	5.0	ug/kg	
Ethylbenzene	< 5.0	5.0	ug/kg	
2-Hexanone	< 10.0	10.0	ug/kg	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/kg	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/kg	
Methylene chloride	< 5.0	5.0	ug/kg	
Styrene	< 5.0	5.0	ug/kg	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/kg	
Tetrachloroethene	< 5.0	5.0	ug/kg	
Toluene	7.5	5.0	ug/kg	
1,1,1-Trichloroethane	< 5.0	5.0	ug/kg	
1,1,2-Trichloroethane	< 5.0	5.0	ug/kg	
Trichloroethene	< 5.0	5.0	ug/kg	

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Analytical Report

Client:	GAIATECH	**Date Collected:**	04/22/05
Project ID:	A13344200	**Time Collected:**	13:30
Sample ID:	GP-6 1.5-2.5'	**Date Received:**	04/25/05
Sample No:	5-0418-004	**Date Reported:**	04/27/05

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Volatiles Method 5035A/8260B	**Method: 5035A/8260B**			
Analysis Date: 04/26/05				
Vinyl acetate	< 10.0	10.0	ug/kg	
Vinyl chloride	< 10.0	10.0	ug/kg	
Xylene, Total	< 5.0	5.0	ug/kg	
Semi-Volatiles Method 8270C	**Method: 3540C/8270C**	**Preparation Method 3540C**		
Analysis Date: 04/26/05		Preparation Date: 04/25/05		
bis(2-Ethylhexyl)phthalate	< 330	330	ug/kg	
PNAs Method 8270C	**Method: 8270SIM**	**Preparation Method 3540C**		
Analysis Date: 04/26/05		Preparation Date: 04/25/05		
Anthracene	< 50	50	ug/kg	
Acenaphthene	< 50	50	ug/kg	
Acenaphthylene	< 50	50	ug/kg	
Benzo(a)anthracene	< 8.7	8.7	ug/kg	
Benzo(a)pyrene	< 15	15	ug/kg	
Benzo(b)fluoranthene	< 11	11	ug/kg	
Benzo(ghi)Perylene	< 50	50	ug/kg	
Benzo(k)fluoranthene	< 11	11	ug/kg	
Chrysene	< 50	50	ug/kg	
Dibenzo(a,h)anthracene	< 20	20	ug/kg	
Fluoranthene	< 50	50	ug/kg	
Fluorene	< 50	50	ug/kg	
Indeno(1,2,3-cd)pyrene	< 29	29	ug/kg	
Naphthalene	< 25	25	ug/kg	
Pyrene	< 50	50	ug/kg	
Phenanthrene	< 50	50	ug/kg	

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Analytical Report

Client:	GAIATECH	**Date Collected:**	04/22/05
Project ID:	A13344200	**Time Collected:**	15:30
Sample ID:	GP-8 4-6'	**Date Received:**	04/25/05
Sample No:	5-0418-005	**Date Reported:**	04/29/05

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Solids, Total	**Method: 160.3**			
Analysis Date: 04/25/05				
Total Solids	96.97		%	
Volatiles Method 5035A/8260B	**Method: 5035A/8260B**			
Analysis Date: 04/26/05				
Acetone	< 100	100	ug/kg	
Benzene	< 5.0	5.0	ug/kg	
Bromodichloromethane	< 5.0	5.0	ug/kg	
Bromoform	< 5.0	5.0	ug/kg	
Bromomethane	< 10.0	10.0	ug/kg	
2-Butanone (MEK)	< 10.0	10.0	ug/kg	
Carbon disulfide	< 5.0	5.0	ug/kg	
Carbon tetrachloride	< 5.0	5.0	ug/kg	
Chlorobenzene	< 5.0	5.0	ug/kg	
Chlorodibromomethane	< 5.0	5.0	ug/kg	
Chloroethane	< 10.0	10.0	ug/kg	
Chloroform	< 5.0	5.0	ug/kg	
Chloromethane	< 10.0	10.0	ug/kg	
1,1-Dichloroethane	< 5.0	5.0	ug/kg	
1,2-Dichloroethane	< 5.0	5.0	ug/kg	
1,1-Dichloroethene	< 5.0	5.0	ug/kg	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
1,2-Dichloropropane	< 5.0	5.0	ug/kg	
cis-1,3-Dichloropropene	< 5.0	5.0	ug/kg	
trans-1,3-Dichloropropene	< 5.0	5.0	ug/kg	
Ethylbenzene	< 5.0	5.0	ug/kg	
2-Hexanone	< 10.0	10.0	ug/kg	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/kg	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/kg	
Methylene chloride	< 5.0	5.0	ug/kg	
Styrene	< 5.0	5.0	ug/kg	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/kg	
Tetrachloroethene	< 5.0	5.0	ug/kg	
Toluene	< 5.0	5.0	ug/kg	
1,1,1-Trichloroethane	< 5.0	5.0	ug/kg	
1,1,2-Trichloroethane	< 5.0	5.0	ug/kg	
Trichloroethene	< 5.0	5.0	ug/kg	

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Analytical Report

Client:	GAIATECH	**Date Collected:**	04/22/05
Project ID:	A13344200	**Time Collected:**	15:30
Sample ID:	GP-8 4-6'	**Date Received:**	04/25/05
Sample No:	5-0418-005	**Date Reported:**	04/29/05

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Volatiles Method 5035A/8260B **Method: 5035A/8260B** Analysis Date: 04/26/05				
Vinyl acetate	< 10.0	10.0	ug/kg	
Vinyl chloride	< 10.0	10.0	ug/kg	
Xylene, Total	< 5.0	5.0	ug/kg	
PNAs Method 8270C **Method: 8270SIM** **Preparation Method 3540C** Analysis Date: 04/26/05 Preparation Date: 04/25/05				
Anthracene	< 50	50	ug/kg	
Acenaphthene	< 50	50	ug/kg	
Acenaphthylene	< 50	50	ug/kg	
Benzo(a)anthracene	46.4	8.7	ug/kg	
Benzo(a)pyrene	57	15	ug/kg	
Benzo(b)fluoranthene	58	11	ug/kg	
Benzo(ghi)Perylene	< 50	50	ug/kg	
Benzo(k)fluoranthene	68	11	ug/kg	
Chrysene	66	50	ug/kg	
Dibenzo(a,h)anthracene	< 20	20	ug/kg	
Fluoranthene	75	50	ug/kg	
Fluorene	< 50	50	ug/kg	
Indeno(1,2,3-cd)pyrene	37	29	ug/kg	
Naphthalene	< 25	25	ug/kg	
Pyrene	88	50	ug/kg	
Phenanthrene	60	50	ug/kg	
TPH Modified Method 8015B **Method: 8015B** **Preparation Method CALIF** Analysis Date: 04/28/05				
TPH as Gasoline	< 10	10	mg/kg	
TPH as Diesel	< 10	10	*mg/kg*	
TPH as Oil	48	10	mg/kg	
Total TPH	48	10	mg/kg	

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Analytical Report

Client:	GAIATECH	**Date Collected:**	04/22/05
Project ID:	A13344200	**Time Collected:**	10:00
Sample ID:	GP-2	**Date Received:**	04/25/05
Sample No:	5-0418-006	**Date Reported:**	04/27/05

Residential IDEM RCG Screening

Analyte	Result	R.L.	Units	Flags
Volatiles Method 5030B/8260B Analysis Date: 04/25/05	**Method: 5030B/8260B**			
Acetone	< 100	100	ug/L	12000
Benzene	< 5.0	5.0	ug/L	5
Bromodichloromethane	< 1.0	1.0	ug/L	80
Bromoform	< 1.0	1.0	ug/L	80
Bromomethane	< 5.0	5.0	ug/L	7
2-Butanone (MEK)	< 10.0	10.0	ug/L	4900
Carbon disulfide	< 5.0	5.0	ug/L	720
Carbon tetrachloride	< 5.0	5.0	ug/L	5
Chlorobenzene	< 5.0	5.0	ug/L	100
Chlorodibromomethane	< 1.0	1.0	ug/L	100,000
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	80
Chloromethane	< 10.0	10.0	ug/L	190
1,1-Dichloroethane	< 5.0	5.0	ug/L	24
1,2-Dichloroethane	< 5.0	5.0	ug/L	5
1,1-Dichloroethene	< 5.0	5.0	ug/L	7
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	70
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	100
1,2-Dichloropropane	< 5.0	5.0	ug/L	5
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	4.1
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	4.1
Ethylbenzene	< 5.0	5.0	ug/L	700
2-Hexanone	< 10.0	10.0	ug/L	34
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	120
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	1000
Methylene chloride	< 5.0	5.0	ug/L	5
Styrene	< 5.0	5.0	ug/L	100
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	0.66 *
Tetrachloroethene	< 5.0	5.0	ug/L	5
Toluene	< 5.0	5.0	ug/L	1000
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	200
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	5
Trichloroethene	< 5.0	5.0	ug/L	5
Vinyl acetate	< 10.0	10.0	ug/L	410
Vinyl chloride	< 2.0	2.0	ug/L	2
Xylene, Total	< 5.0	5.0	ug/L	190

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Analytical Report

Client: GAIATECH
Project ID: A13344200
Sample ID: GP-7
Sample No: 5-0418-007

Date Collected: 04/22/05
Time Collected: 15:10
Date Received: 04/25/05
Date Reported: 04/27/05

Analyte	Result	R.L.	Units	Flags
Volatiles Method 5030B/8260B	**Method: 5030B/8260B**			
Analysis Date: 04/25/05				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	

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Analytical Report

Client:	GAIATECH	**Date Collected:**	04/22/05
Project ID:	A13344200	**Time Collected:**	15:10
Sample ID:	GP-7	**Date Received:**	04/25/05
Sample No:	5-0418-007	**Date Reported:**	04/27/05

Analyte	Result	R.L.	Units	Flags
Semi-Volatiles Method 8270C *Analysis Date: 04/26/05*	**Method: 3510C/8270C**	**Preparation Method 3510C** *Preparation Date: 04/25/05*		
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
PNAs Method 8270C Analysis Date: 04/25/05	**Method: 8270SIM**	**Preparation Method 3510C** Preparation Date: 04/25/05		
Acenaphthene	< 10	10	ug/L	400
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	1300
Benzo(a)anthracene	< 0.13	0.13	ug/L	0.29
Benzo(a)pyrene	< 0.2	0.2	ug/L	0.2
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	0.29
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	2.9
Chrysene	< 1.5	1.5	ug/L	29
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	0.029
Fluoranthene	< 2	2	ug/L	630
Fluorene	< 2	2	ug/L	220
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	0.29
Naphthalene	< 10	10	ug/L	1.4
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	87

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Analytical Report

Client: GAIATECH
Project ID: A13344200
Sample ID: GP-8
Sample No: 5-0418-008

Date Collected: 04/22/05
Time Collected: 15:45
Date Received: 04/25/05
Date Reported: 04/27/05

Analyte	Result	R.L.	Units	Flags
Volatiles Method 5030B/8260B	**Method: 5030B/8260B**			
Analysis Date: 04/25/05				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	

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Analytical Report

Client:	GAIATECH	**Date Collected:**	04/22/05
Project ID:	A13344200	**Time Collected:**	15:45
Sample ID:	GP-8	**Date Received:**	04/25/05
Sample No:	5-0418-008	**Date Reported:**	04/27/05

Analyte	Result	R.L.	Units	Flags
PNAs Method 8270C **Method: 8270SIM** **Preparation Method 3510C**				
Analysis Date: 04/25/05		Preparation Date: 04/25/05		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	
TPH Modified Method 8015B **Method: 8015B** **Preparation Method CALIF**				
Analysis Date: 04/25/05		Preparation Date: 04/25/05		
TPH as Gasoline	< 250	250	ug/L	
TPH as Diesel	< 250	250	ug/L	
TPH as Oil	< 250	250	ug/L	
Total TPH	< 250	250	ug/L	

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Analytical Report

Client:	GAIATECH	**Date Collected:**	04/22/05
Project ID:	A13344200	**Time Collected:**	16:00
Sample ID:	GP-1	***Date Received:***	*04/25/05*
Sample No:	5-0418-009	**Date Reported:**	04/27/05

Analyte	Result	R.L.	Units	Flags
Volatiles Method 5030B/8260B	**Method: 5030B/8260B**			
Analysis Date: 04/25/05				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	*< 5.0*	*5.0*	*ug/L*	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	

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Analytical Report

Client:	GAIATECH	**Date Collected:**	04/22/05
Project ID:	A13344200	**Time Collected:**	16:30
Sample ID:	GP-4	**Date Received:**	04/25/05
Sample No:	5-0418-010	**Date Reported:**	04/27/05

Analyte	Result	R.L.	Units	Flags
Volatiles Method 5030B/8260B	**Method: 5030B/8260B**			
Analysis Date: 04/25/05				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	

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Analytical Report

Client: GAIATECH
Project ID: A13344200
Sample ID: GP-5
Sample No: 5-0418-011

Date Collected: 04/22/05
Time Collected: 16:45
Date Received: 04/25/05
Date Reported: 04/27/05

Analyte	Result	R.L.	Units	Flags
Volatiles Method 5030B/8260B	**Method: 5030B/8260B**			
Analysis Date: 04/25/05				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	

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Analytical Report

Client:	GAIATECH	**Date Collected:**	04/22/05
Project ID:	A13344200	**Time Collected:**	16:45
Sample ID:	GP-5	**Date Received:**	04/25/05
Sample No:	5-0418-011	**Date Reported:**	04/27/05

Analyte	Result	R.L.	Units	Flags
Semi-Volatiles Method 8270C Analysis Date: 04/26/05	**Method: 3510C/8270C**	**Preparation Method 3510C** Preparation Date: 04/25/05		
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
PNAs Method 8270C Analysis Date: 04/25/05	**Method: 8270SIM**	**Preparation Method 3510C** Preparation Date: 04/25/05		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

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Analytical Report

Client:	GAIATECH	**Date Collected:**	04/22/05
Project ID:	A13344200	**Time Collected:**	17:00
Sample ID:	GP-6	**Date Received:**	04/25/05
Sample No:	5-0418-012	**Date Reported:**	04/27/05

Analyte	Result	R.L.	Units	Flags
Volatiles Method 5030B/8260B	**Method: 5030B/8260B**			
Analysis Date: 04/25/05				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	

First
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Laboratories, Inc.
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IL ELAP / NELAC Accreditation # 100292

Analytical Report

Client:	GAIATECH	Date Collected:	04/22/05
Project ID:	A13344200	Time Collected:	17:00
Sample ID:	GP-6	Date Received:	04/25/05
Sample No:	5-0418-012	Date Reported:	04/27/05

Analyte	Result	R.L.	Units	Flags
Semi-Volatiles Method 8270C Analysis Date: 04/26/05	**Method: 3510C/8270C**	**Preparation Method 3510C** Preparation Date: 04/25/05		
bis(2-Ethylhexyl)phthalate	< 5	5	ug/L	
PNAs Method 8270C Analysis Date: 04/25/05	**Method: 8270SIM**	**Preparation Method 3510C** Preparation Date: 04/25/05		
Acenaphthene	< 10	10	ug/L	
Acenaphthylene	< 10	10	ug/L	
Anthracene	< 5	5	ug/L	
Benzo(a)anthracene	< 0.13	0.13	ug/L	
Benzo(a)pyrene	< 0.2	0.2	ug/L	
Benzo(b)fluoranthene	< 0.18	0.18	ug/L	
Benzo(ghi)perylene	< 0.4	0.4	ug/L	
Benzo(k)fluoranthene	< 0.17	0.17	ug/L	
Chrysene	< 1.5	1.5	ug/L	
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L	
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	

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Analytical Report

Client: GAIATECH
Project ID: A13344200
Sample ID: Trip Blank
Sample No: 5-0418-013

Date Collected: 04/22/05
Time Collected: 0:00
Date Received: 04/25/05
Date Reported: 04/27/05

Analyte	Result	R.L.	Units	Flags
Volatiles Method 5030B/8260B	**Method: 5030B/8260B**			
Analysis Date: 04/25/05				
Acetone	< 100	100	ug/L	
Benzene	< 5.0	5.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 5.0	5.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
Carbon disulfide	< 5.0	5.0	ug/L	
Carbon tetrachloride	< 5.0	5.0	ug/L	
Chlorobenzene	< 5.0	5.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 10.0	10.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 10.0	10.0	ug/L	
1,1-Dichloroethane	< 5.0	5.0	ug/L	
1,2-Dichloroethane	< 5.0	5.0	ug/L	
1,1-Dichloroethene	< 5.0	5.0	ug/L	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/L	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L	
1,2-Dichloropropane	< 5.0	5.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 5.0	5.0	ug/L	
2-Hexanone	< 10.0	10.0	ug/L	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Styrene	< 5.0	5.0	ug/L	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L	
Tetrachloroethene	< 5.0	5.0	ug/L	
Toluene	< 5.0	5.0	ug/L	
1,1,1-Trichloroethane	< 5.0	5.0	ug/L	
1,1,2-Trichloroethane	< 5.0	5.0	ug/L	
Trichloroethene	< 5.0	5.0	ug/L	
Vinyl acetate	< 10.0	10.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 5.0	5.0	ug/L	

CHAIN OF CUSTODY RECORD

First Environmental Laboratories, Inc.

First Environmental Laboratories
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E-mail: info@firstenv.com
IEPA Certification# 100292

Company Name: GalaTech INC
Street Address: 200 N. Lasalle St., Suite 2600
City: Chicago State: IL Zip: 60601
Phone: 312-541-4200 X 270 Fax: 541-0340
Send Report To: Larry Bertsch
Sampled By: " "

Project I.D.: A1334 4200
P.O. #.:

Matrix Codes: S = Soil W = Water O = Other

Date/Time Taken	Sample Description		Matrix	VOCs - 5035/8260	PNA's - 8270 SIM	+ Bis(2-ethylhexyl)	TPH 10 x Wet	Comments	Lab I.D.
4/22/05 900	GP-1	1-3'	Soil	X					5-0418-01
1130	GP-3	2-4'		X				HOLD	
1400	GP-4	2-4'		X					002
1230	GP-5	1-3'		X	X	X			003
1330	GP-6	1.5-2.5'		X	X	X			004
1430	GP-7	3-4'						HOLD	
1460	GP-8	14-16'						HOLD	
1530	GP-8	4-6'	↓	X	X		(X)	~~HOLD~~	005
								added 4/28/05 per L. Bertsch.	

FOR LAB USE ONLY:

Cooler Temperature: 0.1-6°C Yes No °C
Received within 6 hrs. of collection:
Ice Present: Yes No

Sample Refrigerated: Yes No
Refrigerator Temperature: °C
5035 Vials Frozen: Yes No
Freezer Temperature: °C

Containers Received Preserved:
Preserved in Lab:

Notes and Special Instructions: * Results by noon 4/27/05*
* include QA/QC Package

Relinquished By: Larry Bertsch Date/Time 4/22/05 1200 Received By: Ryan C Date/Time 4/25/05 8:00
Relinquished By: Date/Time Received By: Date/Time

Rev. 10/04

CHAIN OF CUSTODY RECORD

First Environmental Laboratories, Inc.

First Environmental Laboratories
1600 Shore Road, Suite D
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24 Hr. Pager (708) 569-7507
E-mail: info@firstenv.com
IEPA Certification# 100292

Company Name: GaiaTech Inc.
Street Address: ~~509 First Bank~~ 200 N. LaSalle, Suite 2600
City: Chicago State: IL Zip: 60601
Phone: 312 541 4200 x270 Fax: 540-0340
Send Report To: Larry Bertsch
Sampled By: LL LL

Project I.D.: A1334 4200 -
P.O. #.:

Matrix Codes: S = Soil W = Water O = Other

Analyses: VOC's - 8260; PNA's - 8270 SIM + BIS (2-ethylhexyl) phthalate; TPH

Date/Time Taken	Sample Description	Matrix	VOC's	PNA's	TPH	Comments	Lab I.D.
4/22/05 1000	Grp-2	W	X			5	0418-006
1510	Grp-7		X	X	X		007
1545	Grp-8		X	X	X		008
1600	Grp-1		X				009
1615	Grp-3					BLVD	—
1630	Grp-4		X	X		#Amber Not avail for PNA	010
1645	Grp-5		X	X	X		011
1700	Grp-6		X	X	X		012
Trip Blnk		W	X				013

FOR LAB USE ONLY:

Cooler Temperature: 0.1-6°C Yes ✓ No__ _____°C
Received within 6 hrs of collection:_____
Ice Present: Yes ✓ No__

Sample Refrigerated: Yes__ No__
Refrigerator Temperature:_____°C
5035 Vials Frozen: Yes__ No__
Freezer Temperature:_____°C

Containers Received Preserved: ___
Preserved in Lab: ___

Notes and Special Instructions: * Results by Noon 4/27/05 *
* Include QA/QC Package

Relinquished By: [signature] Date/Time 4/22/05 17:00 Received By: [signature] Date/Time 4/25/05 800
Relinquished By: _____ Date/Time _____ Received By: _____ Date/Time _____

Rev. 10/04

VOC QC Summary

GAIATECH, INC.
Project ID: A13344200
Received: April 25, 2005

First Environmental Laboratories, Inc.
Naperville, Illinois

Quantitation Report (QT Reviewed)

Data File : C:\DATA\2005\0504\050426\H40099.D Vial: 7
Acq On : 26 Apr 2005 9:28 am Operator: JOHN
Sample : VBLKS03 Inst : GC/MS Ins
Misc : 5.0mL HP&T, 1.0uL #8507 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 26 11:21 19105 Quant Results File: H8260B1.RES

Quant Method : C:\HPCHEM\1\METHODS\H8260B1.M (RTE Integrator)
Title : Volatile Organic Analysis; Method 8260 NonAqueous
Last Update : Thu Apr 21 10:45:40 2005
Response via : Initial Calibration
DataAcq Meth : H8260B1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.37	168	155749	50.00	ug/L	0.02
36) 1,4-Difluorobenzene	3.86	114	299994	50.00	ug/L	0.02
54) d5-Chlorobenzene	6.05	117	261867	50.00	ug/L	0.03
70) d4-1,4-Dichlorobenzene	8.03	152	101631	50.00	ug/L	0.03
System Monitoring Compounds						
31) Dibromofluoromethane	3.36	111	91818	53.68	ug/L	0.02
Spiked Amount 50.000	Range 83 - 118		Recovery = 107.36%			
52) d8-Toluene	4.92	98	340221	52.32	ug/L	0.02
Spiked Amount 50.000	Range 79 - 123		Recovery = 104.64%			
68) 4-Bromofluorobenzene	7.02	95	127325	49.79	ug/L	0.03
Spiked Amount 50.000	Range 79 - 112		Recovery = 99.58%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

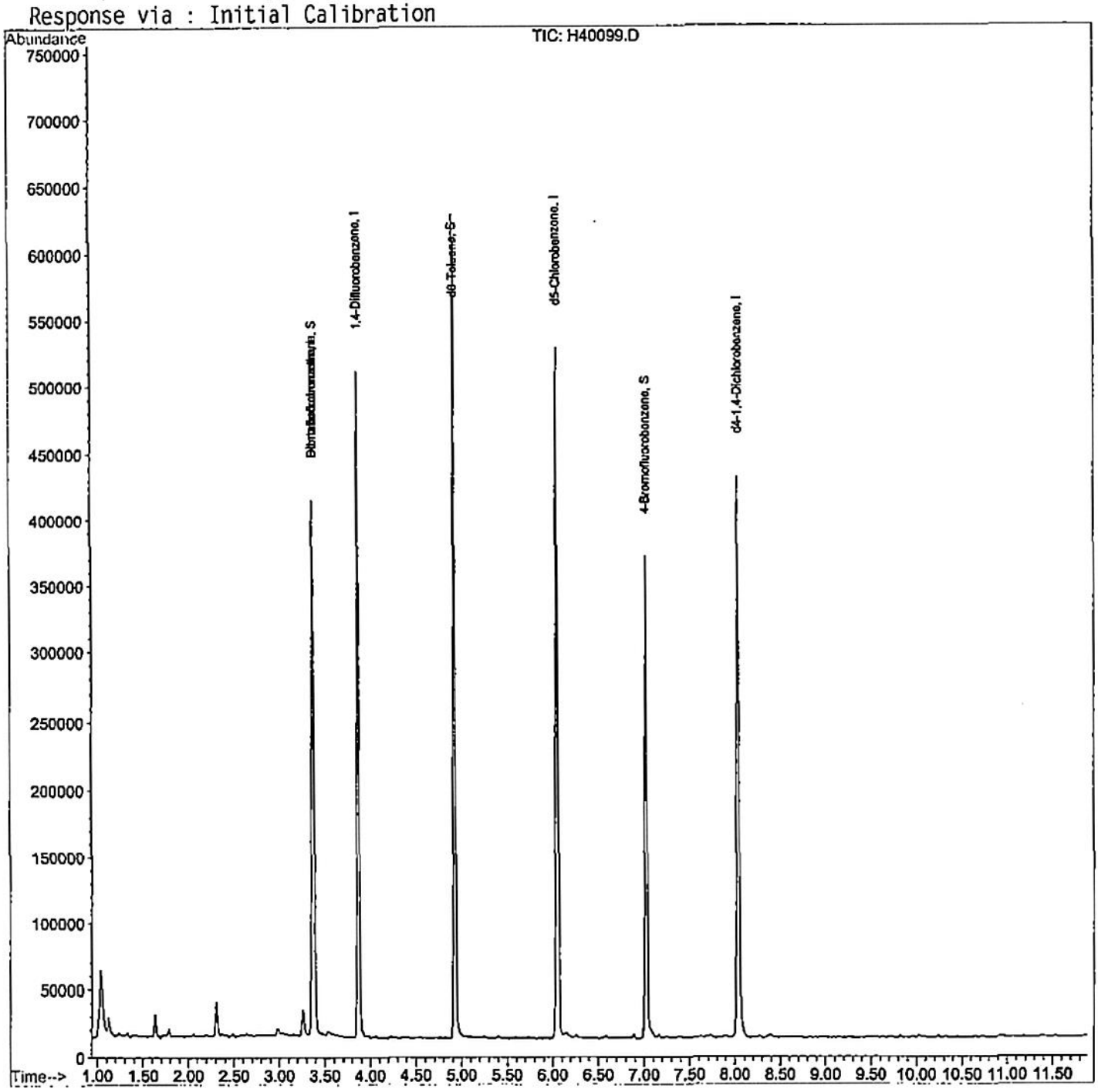
Quantitation Report

Data File : C:\DATA\2005\0504\050426\H40099.D
Acq On : 26 Apr 2005 9:28 am
Sample : VBLKS03
Misc : 5.0mL HP&T, 1.0uL #8507
MS Integration Params: rteint.p
Quant Time: Apr 26 11:21 19105

Vial: 7
Operator: JOHN
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: H8260B1.RES

Method : C:\HPCHEM\1\METHODS\H8260B1.M (RTE Integrator)
Title : Volatile Organic Analysis; Method 8260 NonAqueous
Last Update : Thu Apr 21 10:45:40 2005
Response via : Initial Calibration



Spike Recovery and RPD Summary Report - SOIL

Method : C:\HPCHEM\1\METHODS\H8260B1.M (RTE Integrator)
Title : Volatile Organic Analysis; Method 8260 NonAqueous
Last Update : Thu Apr 21 10:45:40 2005
Response via : Initial Calibration

Non-Spiked Sample: H40099.D

	Spike Sample	Spike Duplicate Sample
File ID :	H40097.D	H40098.D
Sample :	LCS_SOIL 50uL #8427/50mL	LCS_SOIL 50uL #8427/50mL
Acq Time:	26 Apr 2005 8:54 am	26 Apr 2005 9:11 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
1.1-Dichloroethene	0.0	50	59	57	117	115	2	22	48-143
Benzene	0.0	50	53	53	107	107	0	21	65-130
Trichloroethene	0.0	50	53	51	105	103	3	24	66-125
Toluene	0.0	50	55	56	110	111	1	21	65-132
Chlorobenzene	0.0	50	48	47	95	95	1	21	75-118

- Fails Limit Check

Spike Recovery and RPD Summary Report - SOIL

Method : C:\HPCHEM\1\METHODS\H8260B1.M (RTE Integrator)
Title : Volatile Organic Analysis; Method 8260 NonAqueous
Last Update : Thu Apr 21 10:45:40 2005
Response via : Initial Calibration

Non-Spiked Sample: H40112.D

	Spike Sample	Spike Duplicate Sample
File ID :	H40113.D	H40114.D
Sample :	50371001MS #8427 REMTECH 4.15g %TS=	50371001MSD #8427 REMTECH 4.16
Acq Time:	26 Apr 2005 1:28 pm	26 Apr 2005 1:45 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
1,1-Dichloroethene	0.0	50	51	52	102	104	2	22	48-143
Benzene	20.3	50	55	62	70	84	18	21	65-130
Trichloroethene	5.8	50	49	53	85	94	9	24	66-125
Toluene	1.5	50	48	52	93	101	8	21	65-132
Chlorobenzene	0.4	50	39	41	77	82	6	21	75-118

- Fails Limit Check

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\0504\050425\
Data File : F57320.D
Acq On : 25 Apr 2005 12:47 pm
Operator : PAM
Sample : VBLKW03
Misc : 5.0mLs Purged, 1.0uL #8497
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 26 08:45:02 2005
Quant Method : C:\MSDCHEM\1\METHODS\F_8260BW.M
Quant Title : Volatile Organic Analysis; Method 8260 NonAqueous
QLast Update : Thu Apr 21 13:35:14 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.26	168	808279	50.00	ug/L	0.05
36) 1,4-Difluorobenzene	8.51	114	1490739	50.00	ug/L	0.05
55) d5-Chlorobenzene	13.91	117	1446467	50.00	ug/L	0.04
71) d4-1,4-Dichlorobenzene	17.93	152	602414	50.00	ug/L	0.03
System Monitoring Compounds						
31) Dibromofluoromethane	7.19	111	414272	47.91	ug/L	0.05
Spiked Amount 50.000	Range 86 - 116		Recovery = 95.82%			
52) d8-Toluene	11.14	98	1785690	49.76	ug/L	0.05
Spiked Amount 50.000	Range 91 - 108		Recovery = 99.52%			
69) 4-Bromofluorobenzene	16.27	95	748319	48.86	ug/L	0.04
Spiked Amount 50.000	Range 75 - 115		Recovery = 97.72%			

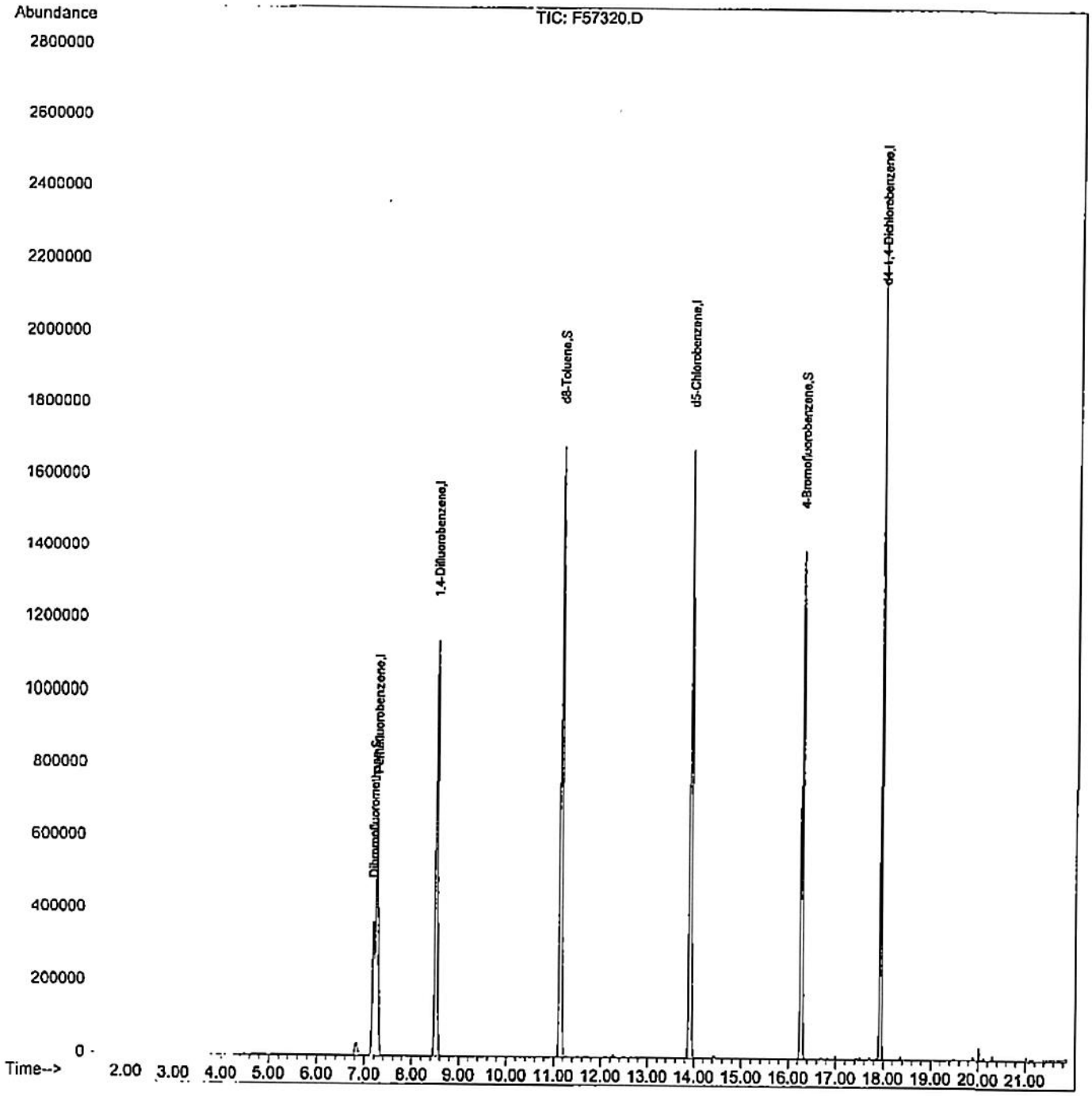
Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\0504\050425\
Data File : F57320.D
Acq On : 25 Apr 2005 12:47 pm
Operator : PAM
Sample : VBLKW03
Misc : 5.0mLs Purged, 1.0uL #8497
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 26 08:45:02 2005
Quant Method : C:\MSDCHEM\1\METHODS\F_8260BW.M
Quant Title : Volatile Organic Analysis; Method 8260 NonAqueous
QLast Update : Thu Apr 21 13:35:14 2005
Response via : Initial Calibration



Spike Recovery and RPD Summary Report - WATER

Method Path : C:\MSDCHEM\1\METHODS\
Method File : F_8260BW.M
Title : Volatile Organic Analysis; Method 8260 NonAqueous
Last Update : Thu Apr 21 13:35:14 2005
Response Via : Initial Calibration

Datafile Path: C:\MSDCHEM\1\DATA\0504\050425\

------Sample-------
File : F57333.D
Name : 5-0308-002 DEUCHLER Acq Time: 25 Apr 2005 7:53 pm

------Spike--------
File : F57334.D
Name : 5-0308-002MS DEUCHLER Acq Time: 25 Apr 2005 8:27 pm

--Spike Duplicate--
File : F57334.D
Name : 5-0308-002MS DEUCHLER Acq Time: 25 Apr 2005 8:27 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
1,1-Dichloroethene	0.0	50	56	56	112	112	0	14	76-144
Benzene	0.0	50	54	54	109	109	0	11	91-124
Trichloroethene	0.0	50	51	51	102	102	0	14	87-129
Toluene	0.0	50	54	54	107	107	0	13	92-123
Chlorobenzene	0.0	50	52	52	104	104	0	13	88-113

- Fails Limit Check

Spike Recovery and RPD Summary Report - WATER

Method Path : C:\MSDCHEM\1\METHODS\
Method File : F_8260BW.M
Title : Volatile Organic Analysis; Method 8260 NonAqueous
Last Update : Thu Apr 21 13:35:14 2005
Response Via : Initial Calibration

Datafile Path: C:\MSDCHEM\1\DATA\0504\050425\

------Sample-------
File : F57320.D
Name : VBLKW03 Acq Time: 25 Apr 2005 12:47 pm

------Spike--------
File : F57317.D
Name : LCS 50uL #8426/50mL Acq Time: 25 Apr 2005 11:09 am

--Spike Duplicate--
File : F57318.D
Name : LCSD 50uL #8426/50mL Acq Time: 25 Apr 2005 11:42 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
1,1-Dichloroethene	0.0	50	42	43	85	85	1	14	76-144
Benzene	0.0	50	48	47	96	94	2	11	91-124
Trichloroethene	0.0	50	46	46	92	91	0	14	87-129
Toluene	0.0	50	48	48	96	96	1	13	92-123
Chlorobenzene	0.0	50	50	49	100	98	1	13	88-113

- Fails Limit Check

SVOCs QC Summary

GAIATECH, INC.
Project ID: A13344200
Received: April 25, 2005

First Environmental Laboratories, Inc.
Naperville, Illinois

Quantitation Report (Not Reviewed)

Data Path : C:\DATA\0504\050426\
Data File : E51160.D
Acq On : 26 Apr 2005 5:12 pm
Operator : ADAM
Sample : BNA BLANK BSEP 4-25-05
Misc : 1000mL/1mL,25uL ISTD/mL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 26 17:48:01 2005
Quant Method : C:\MSDCHEM\1\METHODS\E8270C2.M
Quant Title : Semi-Volatile Analysis by Method 8270/625
QLast Update : Mon Apr 25 11:11:06 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.12	152	362968	40.00	ug/mL	-0.04
19) Naphthalene-d8	12.22	136	1371425	40.00	ug/mL	-0.05
34) Acenaphthene-d10	16.37	164	781746	40.00	ug/mL	-0.05
54) Phenanthrene-d10	19.76	188	1463804	40.00	ug/mL	-0.05
67) Chrysene-d12	24.60	240	1299215	40.00	ug/mL	-0.04
76) Perylene-d12	26.45	264	1268191	40.00	ug/mL	-0.05
System Monitoring Compounds						
4) 2-Fluorophenol	6.03	112	924603	79.80	ug/mL	-0.04
Spiked Amount 200.000	Range 28 - 55		Recovery = 39.90%			
7) Phenol-d5	8.80	99	652425	45.84	ug/mL	-0.02
Spiked Amount 200.000	Range 16 - 37		Recovery = 22.92%			
20) Nitrobenzene-d5	10.60	82	873940	74.30	ug/mL	-0.04
Spiked Amount 100.000	Range 54 - 100		Recovery = 74.30%			
38) 2-Fluorobiphenyl	14.93	172	2081442	73.28	ug/mL	-0.04
Spiked Amount 100.000	Range 53 - 90		Recovery = 73.28%			
58) 2,4,6-Tribromophenol	18.27	330	676197	192.19	ug/mL	-0.04
Spiked Amount 200.000	Range 56 - 127		Recovery = 96.09%			
70) Terphenyl-d14	23.16	244	2402678	73.01	ug/mL	-0.03
Spiked Amount 100.000	Range 31 - 143		Recovery = 73.01%			

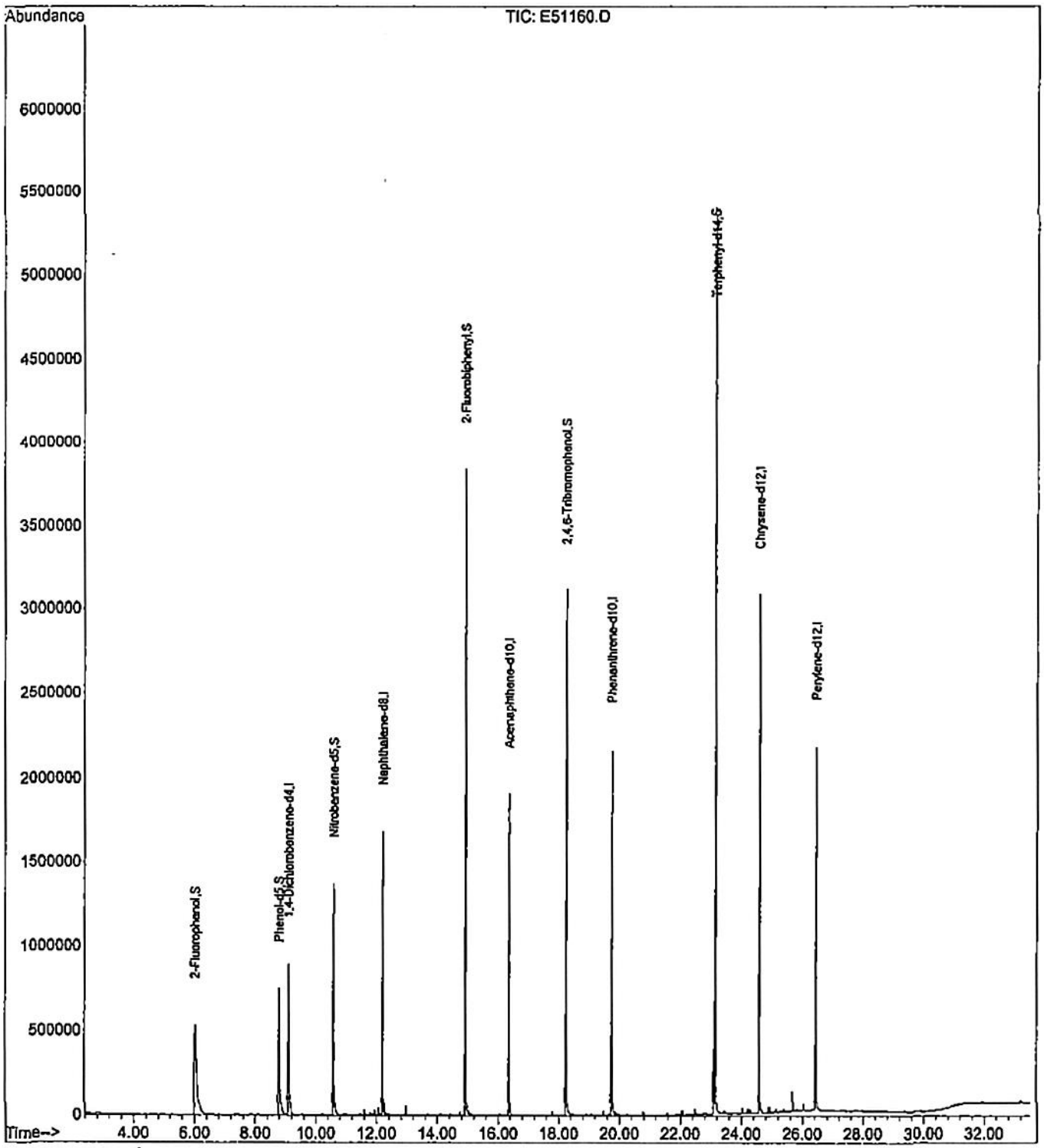
Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\DATA\0504\050426\
Data File : E51160.D
Acq On : 26 Apr 2005 5:12 pm
Operator : ADAM
Sample : BNA BLANK BSEP 4-25-05
Misc : 1000mL/1mL,25uL ISTD/mL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 26 17:48:01 2005
Quant Method : C:\MSDCHEM\1\METHODS\E8270C2.M
Quant Title : Semi-Volatile Analysis by Method 8270/625
QLast Update : Mon Apr 25 11:11:06 2005
Response via : Initial Calibration



Spike Recovery and RPD Summary Report - WATER

Method Path : C:\MSDCHEM\1\METHODS\
Method File : E8270C2.M
Title : Semi-Volatile Analysis by Method 8270/625
Last Update : Mon Apr 25 11:11:06 2005
Response Via : Initial Calibration

Datafile Path: C:\DATA\0504\050426\

------Sample-------
File : E51160.D
Name : BNA BLANK BSEP 4-25-05 Acq Time: 26 Apr 2005 5:12 pm

------Spike--------
File : E51161.D
Name : BNA LCS BSEP 4-25-05 Acq Time: 26 Apr 2005 5:56 pm

--Spike Duplicate--
File : E51161.D
Name : BNA LCS BSEP 4-25-05 Acq Time: 26 Apr 2005 5:56 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Phenol	0.0	200	49	49	24	24	0	42	21- 37
2-Chlorophenol	0.0	200	141	141	71	71	0	40	53- 89
1,4-Dichlorobenzene	0.0	100	68	68	68	68	0	28	41- 83
N-Nitroso-di-n-propy	0.0	100	67	67	67	67	0	38	50-108
1,2,4-Trichlorobenze	0.0	100	74	74	74	74	0	28	43- 85
4-Chloro-3-methylphe	0.0	200	166	166	83	83	0	42	60-105
Acenaphthene	0.0	100	76	76	76	76	0	31	55-100
2,4-Dinitrotoluene	0.0	100	85	85	85	85	0	38	59-105
4-Nitrophenol	0.0	200	65	65	32	32	0	50	20- 52
Pentachlorophenol	0.0	200	148	148	74	74	0	50	57-132
Pyrene	0.0	100	78	78	78	78	0	31	50-124

N/A N/A N/A

- Fails Limit Check

Spike Recovery and RPD Summary Report - WATER

Method Path : C:\MSDCHEM\1\METHODS\
Method File : E8270C2.M
Title : Semi-Volatile Analysis by Method 8270/625
Last Update : Mon Apr 25 11:11:06 2005
Response Via : Initial Calibration

Datafile Path: C:\DATA\0504\050426\

------Sample-------
File : E51165.D
Name : 5-0414-002 MWH BSEP 4-25-05 Acq Time: 26 Apr 2005 9:39 pm

------Spike--------
File : E51168.D
Name : MS5-0414-002 MHW BSEP 4-25-05 Acq Time: 26 Apr 2005 11:45 pm

--Spike Duplicate--
File : E51169.D
Name : MSD5-0414-002 MHW BSEP 4-25-05 Acq Time: 27 Apr 2005 12:27 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Phenol	0.0	200	53	49	27	24	9	42	21- 37
2-Chlorophenol	0.0	200	155	141	78	70	10	40	53- 89
1,4-Dichlorobenzene	0.0	100	82	74	82	74	10	28	41- 83
N-Nitroso-di-n-propy	0.0	100	73	70	73	70	3	38	50-108
1,2,4-Trichlorobenze	0.0	100	90	82	90#	82	9	28	43- 85
4-Chloro-3-methylphe	0.0	200	170	160	85	80	6	42	60-105
Acenaphthene	0.0	100	85	82	85	82	3	31	55-100
2,4-Dinitrotoluene	0.0	100	95	97	95	97	2	38	59-105
4-Nitrophenol	0.0	200	72	69	36	35	4	50	20- 52
Pentachlorophenol	0.0	200	158	168	79	84	6	50	57-132
Pyrene	0.0	100	82	85	82	85	3	31	50-124

- Fails Limit Check

LCS is OK

Quantitation Report (Not Reviewed)

Data Path : C:\DATA\0504\050426\
Data File : ES1159.D
Acq On : 26 Apr 2005 4:31 pm
Operator : ADAM
Sample : BNA BLANK B/PSOX 4-25-05
Misc : 30.00g/1mL,25uL ISTD/mL SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 27 09:09:52 2005
Quant Method : C:\MSDCHEM\1\METHODS\E8270C2A.M
Quant Title : Semi-Volatile Analysis by Method 8270/625
QLast Update : Wed Apr 13 08:28:22 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.12	152	336673	40.00	ug/mL	-0.13
19) Naphthalene-d8	12.21	136	1272422	40.00	ug/mL	-0.13
34) Acenaphthene-d10	16.37	164	704176	40.00	ug/mL	-0.13
54) Phenanthrene-d10	19.76	188	1328657	40.00	ug/mL	-0.13
67) Chrysene-d12	24.60	240	1162138	40.00	ug/mL	-0.10
76) Perylene-d12	26.45	264	1123718	40.00	ug/mL	-0.12
System Monitoring Compounds						
4) 2-Fluorophenol	6.03	112	839281	78.09	ug/mL	-0.12
Spiked Amount 100.000	Range 44 - 86		Recovery = 78.09%			
7) Phenol-d5	8.81	99	962882	72.93	ug/mL	-0.07
Spiked Amount 100.000	Range 49 - 86		Recovery = 72.93%			
20) Nitrobenzene-d5	10.59	82	167624	15.36	ug/mL	-0.12
Spiked Amount 20.000	Range 49 - 103		Recovery = 76.80%			
38) 2-Fluorobiphenyl	14.92	172	409010	15.99	ug/mL	-0.13
Spiked Amount 20.000	Range 55 - 94		Recovery = 79.95%			
58) 2,4,6-Tribromophenol	18.26	330	390698	122.34	ug/mL	-0.13
Spiked Amount 100.000	Range 64 - 124		Recovery = 122.34%			
70) Terphenyl-d14	23.15	244	604680	20.54	ug/mL	-0.11
Spiked Amount 20.000	Range 50 - 125		Recovery = 102.70%			

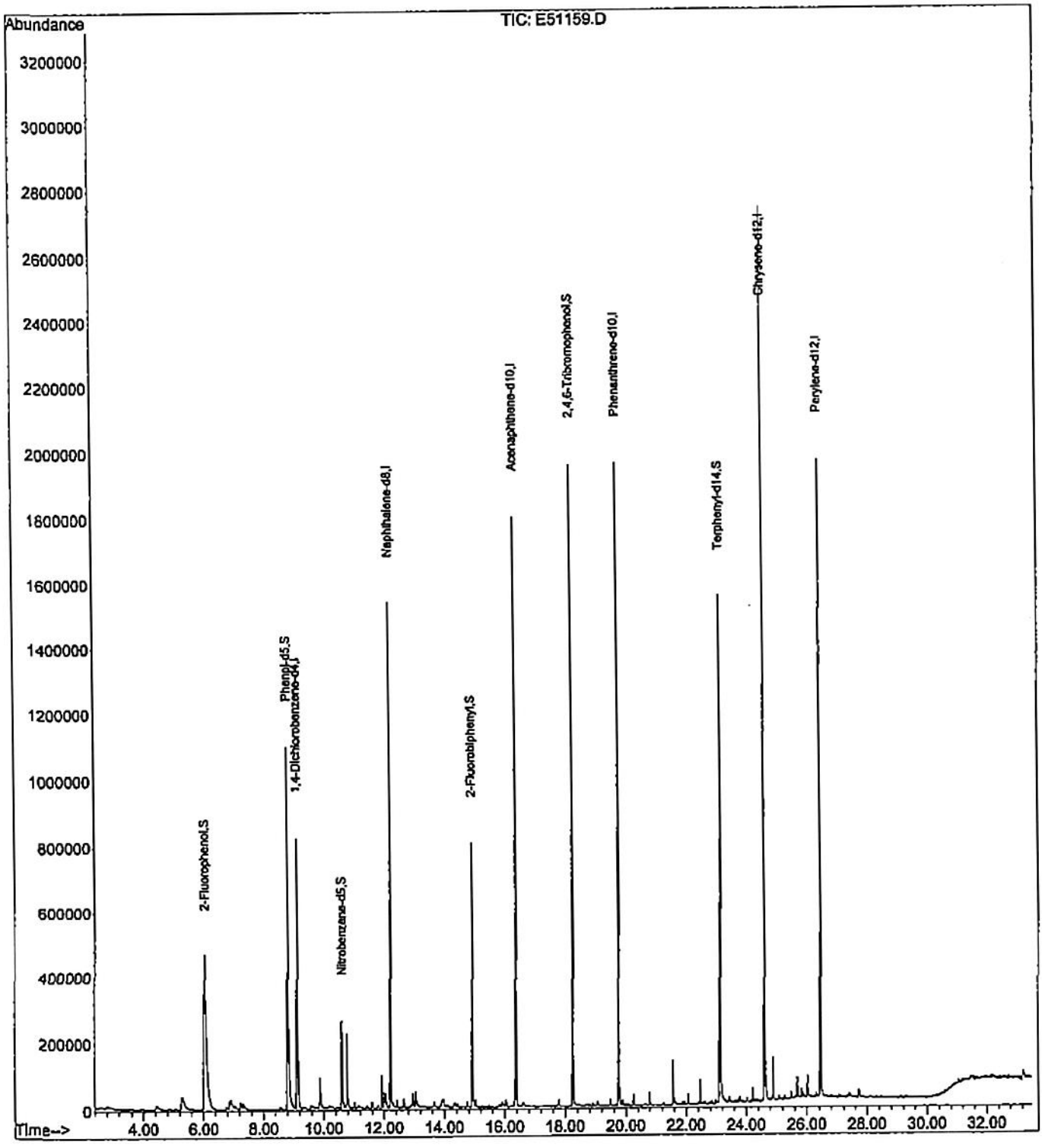
Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\DATA\0504\050426\
Data File : E51159.D
Acq On : 26 Apr 2005 4:31 pm
Operator : ADAM
Sample : BNA BLANK B/PSOX 4-25-05
Misc : 30.00g/1mL,25uL ISTD/mL SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 27 09:09:52 2005
Quant Method : C:\MSDCHEM\1\METHODS\E8270C2A.M
Quant Title : Semi-Volatile Analysis by Method 8270/625
QLast Update : Wed Apr 13 08:28:22 2005
Response via : Initial Calibration



Spike Recovery and RPD Summary Report - SOIL

Method Path : C:\MSDCHEM\1\METHODS\
Method File : E8270C2.M
Title : Semi-Volatile Analysis by Method 8270/625
Last Update : Mon Apr 25 11:11:06 2005
Response Via : Initial Calibration

Datafile Path: C:\DATA\0504\050426\

------Sample-------
File : E51159.D
Name : BNA BLANK B/PSOX 4-25-05 Acq Time: 26 Apr 2005 4:31 pm

------Spike--------
File : E51153.D
Name : BNA LCS BSOX 4-25-05 Acq Time: 26 Apr 2005 12:20 pm

--Spike Duplicate--
File : E51153.D
Name : BNA LCS BSOX 4-25-05 Acq Time: 26 Apr 2005 12:20 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Phenol	0.4	200	120	120	60	60	0	35	51- 93
2-Chlorophenol	0.0	200	127	127	64	64	0	50	54- 87
1,4-Dichlorobenzene	0.0	100	60	60	60	60	0	27	31- 89
N-Nitroso-di-n-propy	0.1	100	59	59	59	59	0	38	51- 98
1,2,4-Trichlorobenze	0.0	100	68	68	68	68	0	38	43- 91
4-Chloro-3-methylphe	0.0	200	172	172	86	86	0	33	67-118
Acenaphthene	0.0	100	71	71	71	71	0	19	56-103
2,4-Dinitrotoluene	0.0	100	89	89	89	89	0	47	57-107
4-Nitrophenol	0.0	200	202	202	101	101	0	50	59-150
Pentachlorophenol	0.0	200	162	162	81	81	0	47	64-124
Pyrene	0.0	100	78	78	78	78	0	36	50-156

N/A N/A N/A

- Fails Limit Check

PNAs QC Summary

GAIATECH, INC.
Project ID: A13344200
Received: April 25, 2005

First Environmental Laboratories, Inc.
Naperville, Illinois

Quantitation Report (Not Reviewed)

Data File : E:\DATA\0504\050425\B56466.D Vial: 10
Acq On : 25 Apr 05 2:55 pm Operator: ADAM
Sample : PNA BLANK PSEP 4-25-05 Inst : GC/MS B
Misc : 1000mL/1mL, 25uL ISTD/1mL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 25 15:16 19105 Quant Results File: BPNA2.RES

Quant Method : C:\HPCHEM\1\METHODS\BPNA2.M (RTE Integrator)
Title : PNA Analysis by Method 8270 (Low Level)
Last Update : Mon Apr 25 11:00:40 2005
Response via : Initial Calibration
DataAcq Meth : BPNA2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.79	152	475541	10.00	ug/mL	0.00
2) Naphthalene-d8	4.29	136	2209135	10.00	ug/mL	0.00
5) Acenaphthene-d10	6.72	164	1600743	10.00	ug/mL	0.00
10) Phenanthrene-d10	8.82	188	3056662	10.00	ug/mL	0.00
14) Chrysene-d12	12.67	240	2447269	10.00	ug/mL	0.00
19) Perylene-d12	14.61	264	2417238	10.00	ug/mL	0.01
System Monitoring Compounds						
3) Nitrobenzene-d5	3.46	82	365436	8.55	ug/mL	0.00
Spiked Amount 10.000	Range 48 - 126		Recovery = 85.50%			
6) 2-Fluorobiphenyl	5.84	172	1388157	7.06	ug/mL	0.00
Spiked Amount 10.000	Range 50 - 123		Recovery = 70.60%			
16) Terphenyl-d14	11.24	244	1972362	10.29	ug/mL	0.00
Spiked Amount 10.000	Range 58 - 137		Recovery = 102.90%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

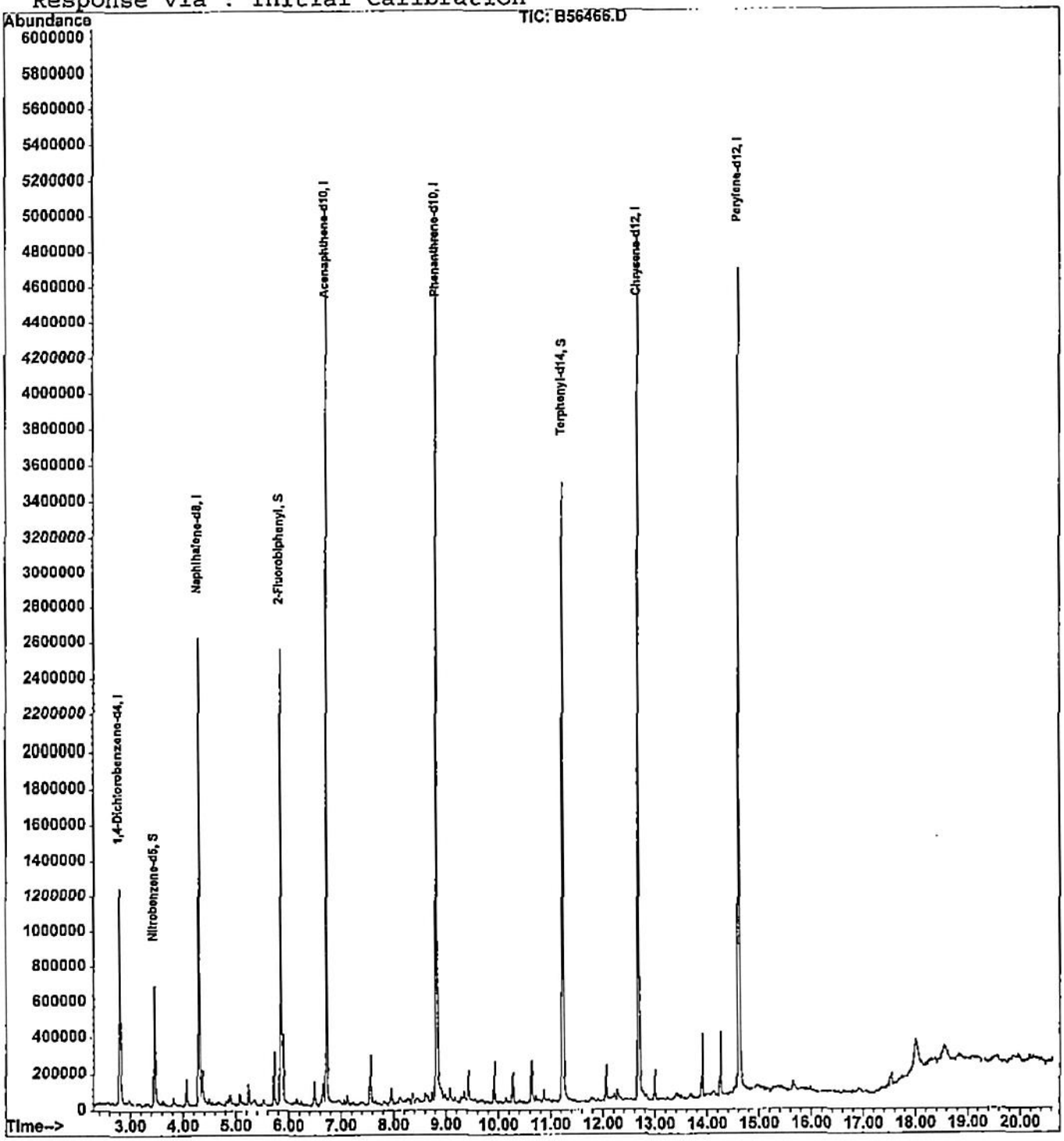
Quantitation Report

Data File : E:\DATA\0504\050425\B56466.D
Acq On : 25 Apr 05 2:55 pm
Sample : PNA BLANK PSEP 4-25-05
Misc : 1000mL/1mL, 25uL ISTD/1mL
MS Integration Params: rteint.p
Quant Time: Apr 25 15:16 19105

Vial: 10
Operator: ADAM
Inst : GC/MS B
Multiplr: 1.00

Quant Results File: BPNA2.RES

Method : C:\HPCHEM\1\METHODS\BPNA2.M (RTE Integrator)
Title : PNA Analysis by Method 8270 (Low Level)
Last Update : Mon Apr 25 11:00:40 2005
Response via : Initial Calibration



Spike Recovery and RPD Summary Report - WATER

Method : C:\HPCHEM\1\METHODS\BPNA2.M (RTE Integrator)
Title : PNA Analysis by Method 8270 (Low Level)
Last Update : Mon Apr 25 11:00:40 2005
Response via : Initial Calibration

Non-Spiked Sample: B56466.D

	Spike Sample	Spike Duplicate Sample
File ID :	B56467.D	B56468.D
Sample :	PNA LCS 2ppm PSEP 4-25-05	PNA LCSD 2ppm PSEP 4-25-0
Acq Time:	25 Apr 05 3:23 pm	25 Apr 05 3:50 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Naphthalene	0.0	2	1	1	60	64	8	25	40- 90
Acenaphthylene	0.0	2	1	1	73	74	2	31	56-116
Acenaphthene	0.0	2	1	1	68	69	1	25	50-101
Fluorene	0.0	2	2	2	76	78	3	25	54-105
Phenanthrene	0.1	2	2	2	81	87	7	25	61-106
Anthracene	0.0	2	2	2	89	85	5	25	62-114
Fluoranthene	0.0	2	2	2	80	86	6	25	69-109
Pyrene	0.0	2	2	2	95	106	12	31	69-132
Benzo[a]anthracene	0.0	2	2	2	85	91	7	25	65-121
Chrysene	0.0	2	2	2	84	92	10	25	62-114
Benzo[b]fluoranthene	0.0	2	2	2	82	89	8	25	56-152
Benzo[k]fluoranthene	0.0	2	2	2	96	103	7	25	69-148
Benzo[a]pyrene	0.0	2	2	2	93	94	2	25	75-145
Indeno[1,2,3-cd]pyre	0.0	2	2	2	99	102	3	25	56-152
Dibenz[a,h]anthracen	0.0	2	1	2	74	83	11	25	17-127
Benzo[g,h,i]perylene	0.0	2	1	2	74	80	8	25	31-128

- Fails Limit Check

Quantitation Report (Not Reviewed)

Data File : E:\DATA\0504\050426\B56487.D Vial: 5
Acq On : 26 Apr 05 11:03 am Operator: ADAM
Sample : PNA BLANK P/BSOX 4-25-05 Inst : GC/MS B
Misc : 30.00g/1mL, 25uL ISTD/1mL SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 26 11:26 19105 Quant Results File: BPNA2A.RES

Quant Method : C:\HPCHEM\1\METHODS\BPNA2A.M (RTE Integrator)
Title : PNA Analysis by Method 8270 (Low Level)
Last Update : Mon Mar 14 09:24:11 2005
Response via : Initial Calibration
DataAcq Meth : BPNA2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.80	152	359666	10.00	ug/mL	-0.03
2) Naphthalene-d8	4.30	136	1463478	10.00	ug/mL	-0.03
5) Acenaphthene-d10	6.73	164	1027665	10.00	ug/mL	-0.03
10) Phenanthrene-d10	8.82	188	1956855	10.00	ug/mL	-0.04
14) Chrysene-d12	12.68	240	1644469	10.00	ug/mL	-0.04
19) Perylene-d12	14.61	264	1708873	10.00	ug/mL	-0.05
System Monitoring Compounds						
3) Nitrobenzene-d5	3.46	82	508989	17.98	ug/mL	-0.04
Spiked Amount 20.000	Range 52 - 134		Recovery = 89.90%			
6) 2-Fluorobiphenyl	5.85	172	1936361	15.33	ug/mL	-0.04
Spiked Amount 20.000	Range 53 - 132		Recovery = 76.65%			
16) Terphenyl-d14	11.23	244	2882335	22.37	ug/mL	-0.04
Spiked Amount 20.000	Range 90 - 144		Recovery = 111.85%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

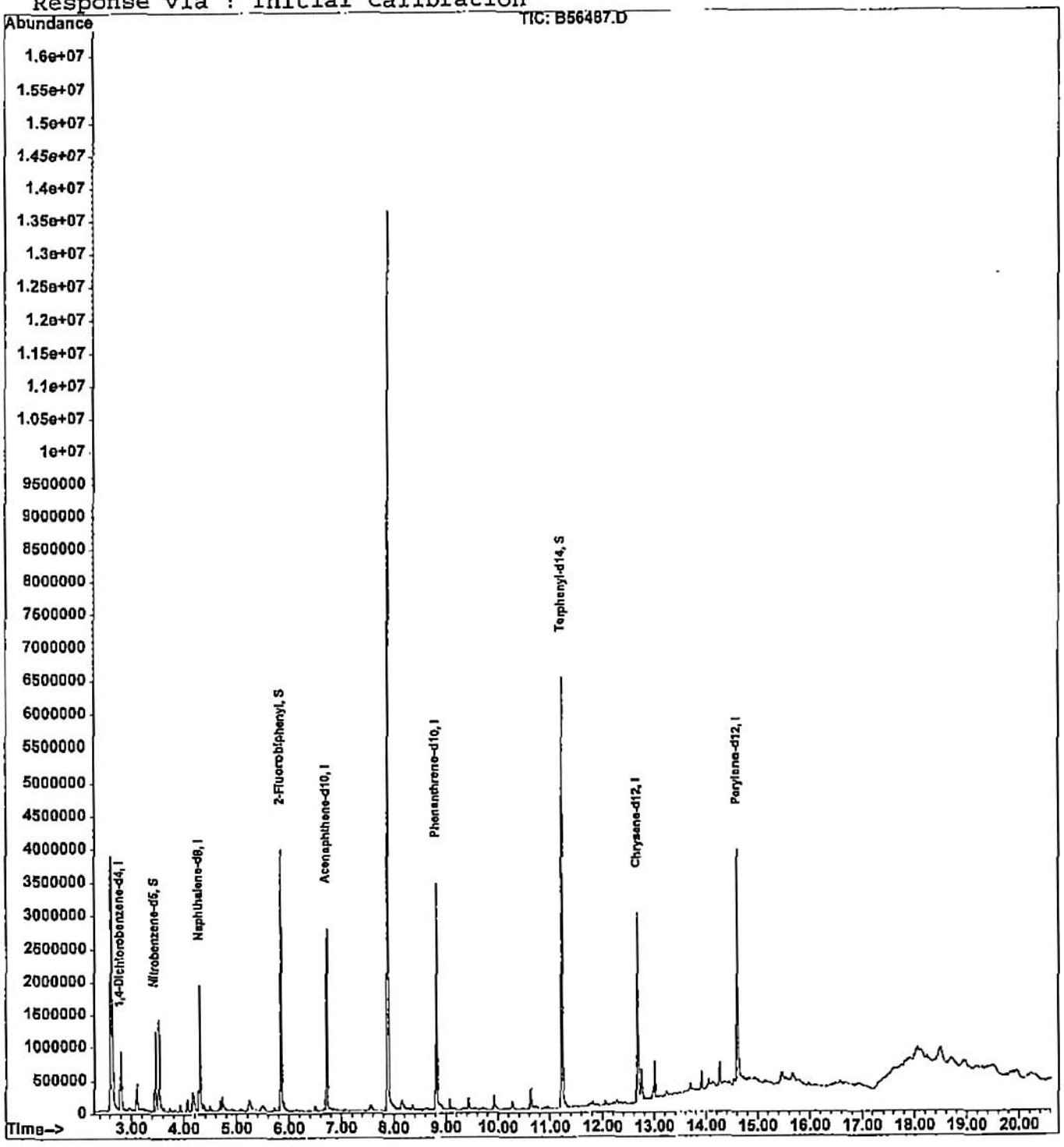
Quantitation Report

Data File : E:\DATA\0504\050426\B56487.D
Acq On : 26 Apr 05 11:03 am
Sample : PNA BLANK P/BSOX 4-25-05
Misc : 30.00g/1mL, 25uL ISTD/1mL SOIL
MS Integration Params: rteint.p
Quant Time: Apr 26 11:26 19105

Vial: 5
Operator: ADAM
Inst : GC/MS B
Multiplr: 1.00

Quant Results File: BPNA2A.RES

Method : C:\HPCHEM\1\METHODS\BPNA2A.M (RTE Integrator)
Title : PNA Analysis by Method 8270 (Low Level)
Last Update : Mon Mar 14 09:24:11 2005
Response via : Initial Calibration



Spike Recovery and RPD Summary Report - SOIL

Method : C:\HPCHEM\1\METHODS\BPNA2.M (RTE Integrator)
Title : PNA Analysis by Method 8270 (Low Level)
Last Update : Mon Apr 25 11:00:40 2005
Response via : Initial Calibration

Non-Spiked Sample: B56487.D

	Spike Sample	Spike Duplicate Sample
File ID :	B56491.D	B56491.D
Sample :	PNA LCS 2ppm PSOX 4-25-05	PNA LCS 2ppm PSOX 4-25-05
Acq Time:	26 Apr 05 12:54 pm	26 Apr 05 12:54 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Naphthalene	0.0	2	1	1	69	69	0	25	42- 91
Acenaphthylene	0.0	2	2	2	82	82	0	19	67-118
Acenaphthene	0.0	2	2	2	75	75	0	25	59-104
Fluorene	0.0	2	2	2	83	83	0	25	65-111
Phenanthrene	0.1	2	2	2	98	98	0	25	61-113
Anthracene	0.0	2	2	2	105	105	0	25	67-113
Fluoranthene	0.0	2	2	2	101	101	0	25	54-127
Pyrene	0.0	2	2	2	114	114	0	36	50-147
Benzo[a]anthracene	0.0	2	2	2	104	104	0	25	58-124
Chrysene	0.0	2	2	2	109	109	0	25	52-120
Benzo[b]fluoranthene	0.0	2	2	2	109	109	0	25	54-172
Benzo[k]fluoranthene	0.0	2	2	2	122	122	0	25	53-174
Benzo[a]pyrene	0.0	2	2	2	116	116	0	25	71-159
Indeno[1,2,3-cd]pyre	0.0	2	2	2	95	95	0	25	70-166
Dibenz[a,h]anthracen	0.0	2	2	2	100	100	0	25	55-139
Benzo[g,h,i]perylene	0.0	2	2	2	87	87	0	25	38-147

N/A N/A N/A

- Fails Limit Check

TPH QC Summary

GAIATECH, INC.
Project ID: A13344200
Received: April 25, 2005

First Environmental Laboratories, Inc.
Naperville, Illinois

Quantitation Report (QT Reviewed)

Data File : E:\DATA\0504\050425\B56478.D
Acq On : 25 Apr 05 9:39 pm
Sample : TPH BLANK TPH SEP 4-25-05
Misc : 1000mL/1mL
MS Integration Params: rteint.p
Quant Time: Apr 26 8:12 19105

Vial: 27
Operator: ADAM
Inst : GC/MS B
Multiplr: 1.00

Quant Results File: B_TPH2.RES

Quant Method : C:\HPCHEM\1\METHODS\B_TPH2.M (RTE Integrator)
Title : TPH Analysis by Method 8270 (Low Level)
Last Update : Tue Apr 26 08:08:31 2005
Response via : Initial Calibration
DataAcq Meth : B_TPH2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

System Monitoring Compounds

Target Compounds						Qvalue
1) TPH as Gasoline	2.84	TIC	526861m	33.36	ug/mL	100
2) TPH as Diesel	6.00	TIC	720825m	11.57	ug/mL	100
3) TPH as Oil	14.37	TIC	1170460m	11.85	ug/mL	100

(#) = qualifier out of range (m) = manual integration

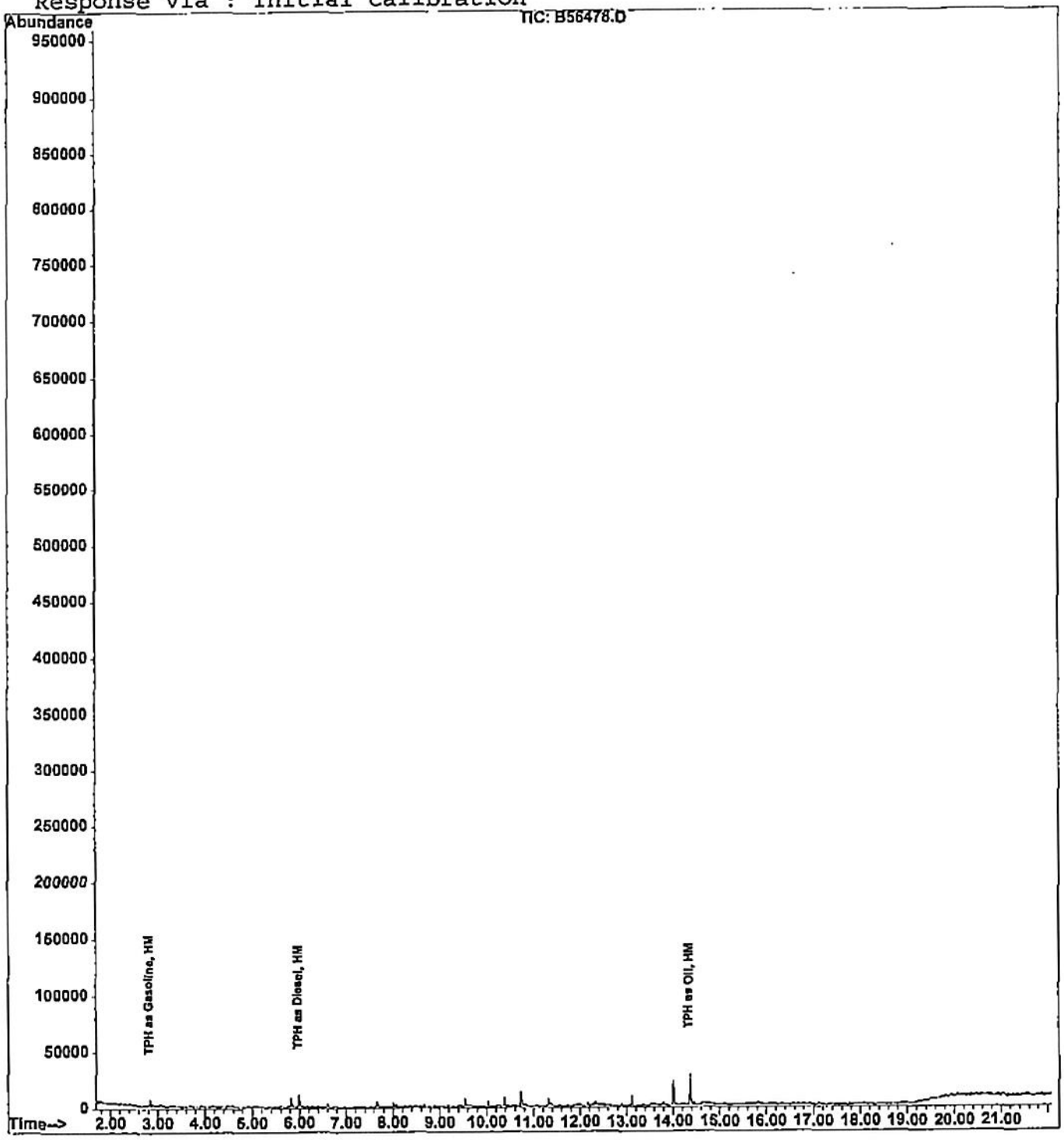
Quantitation Report

Data File : E:\DATA\0504\050425\B56478.D
Acq On : 25 Apr 05 9:39 pm
Sample : TPH BLANK TPH SEP 4-25-05
Misc : 1000mL/1mL
MS Integration Params: rteint.p
Quant Time: Apr 26 8:12 19105

Vial: 27
Operator: ADAM
Inst : GC/MS B
Multiplr: 1.00

Quant Results File: B_TPH2.RES

Method : C:\HPCHEM\1\METHODS\B_TPH2.M (RTE Integrator)
Title : TPH Analysis by Method 8270 (Low Level)
Last Update : Tue Apr 19 08:00:03 2005
Response via : Initial Calibration



Spike Recovery and RPD Summary Report - WATER

Method : C:\HPCHEM\1\METHODS\B_TPH2.M (RTE Integrator)
Title : TPH Analysis by Method 8270 (Low Level)
Last Update : Tue Apr 19 08:00:03 2005
Response via : Initial Calibration

Non-Spiked Sample: B56478.D

	Spike Sample	Spike Duplicate Sample
File ID :	B56479.D	B56480.D
Sample :	LCS 500ppm TPH SEP 4-25-05	LCSD 500ppm TPH SEP 4-2
Acq Time:	25 Apr 05 10:08 pm	25 Apr 05 10:37 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
TPH as Gasoline	33.4	500	249	266	43	47	8	30	30-150
TPH as Diesel	11.6	500	472	465	92	91	2	30	30-150
TPH as Oil	11.8	500	319	316	61	61	1	30	30-150

- Fails Limit Check

Quantitation Report (QT Reviewed)

Data File : E:\DATA\0504\050428\B56561.D
Acq On : 28 Apr 05 6:25 pm
Sample : TPH BLANK PSOX 4-25-05
Misc : 30.00g/1mL, 25uL ISTD/1mL
MS Integration Params: rteint.p
Quant Time: Apr 29 8:05 19105

Vial: 36
Operator: ADAM
Inst : GC/MS B
Multiplr: 1.00

Quant Results File: B_TPH2.RES

Quant Method : C:\HPCHEM\1\METHODS\B_TPH2.M (RTE Integrator)
Title : TPH Analysis by Method 8270 (Low Level)
Last Update : Thu Apr 28 13:28:11 2005
Response via : Initial Calibration
DataAcq Meth : B_TPH2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

System Monitoring Compounds

Target Compounds						Qvalue
1) TPH as Gasoline	2.67	TIC	5936541m	593.55	ug/mL	100
2) TPH as Diesel	7.98	TIC	8900482m	229.07	ug/mL	100
3) TPH as Oil	11.33	TIC	9323731m	153.34	ug/mL	100

(#) = qualifier out of range (m) = manual integration

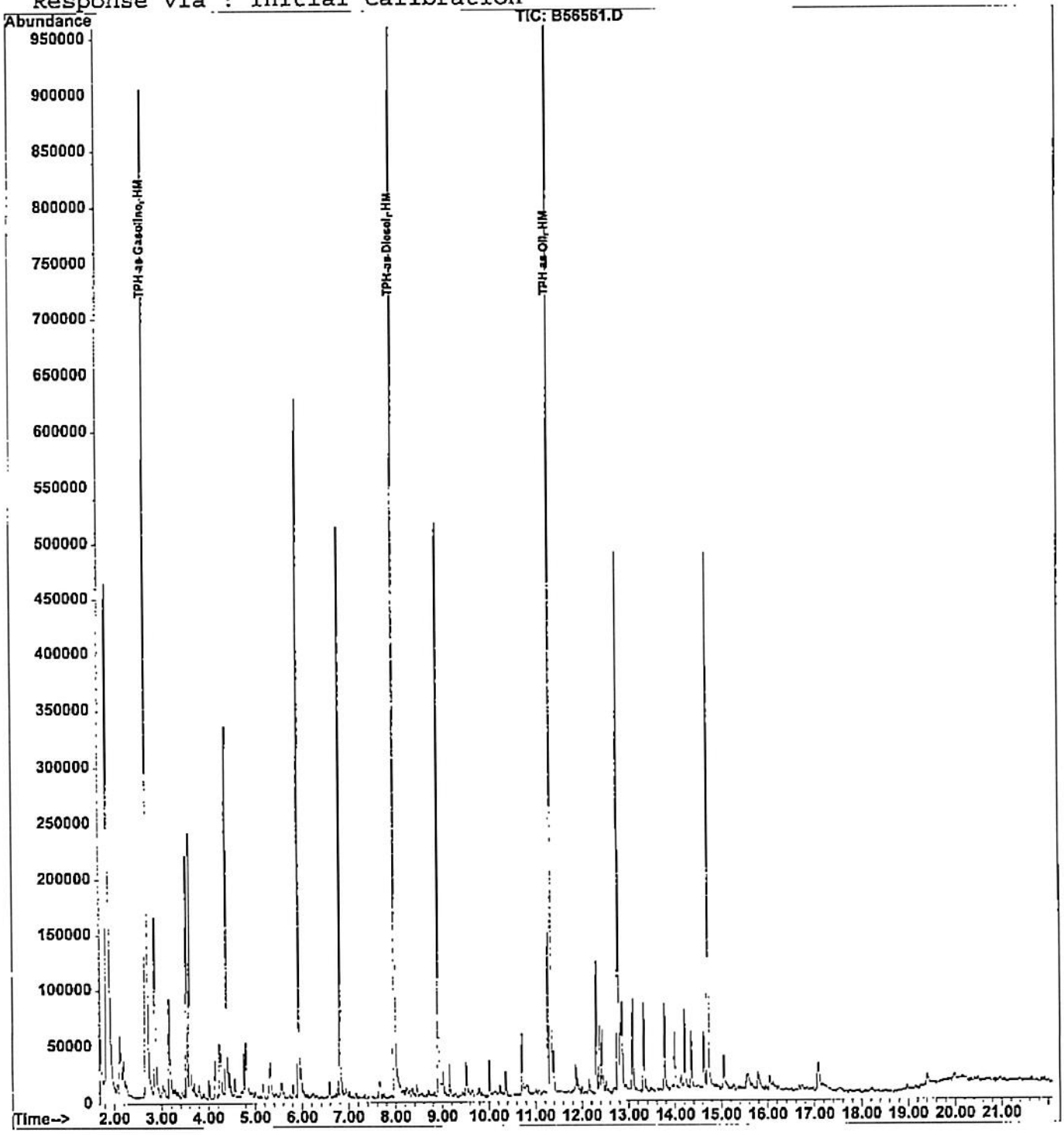
Quantitation Report

Data File : E:\DATA\0504\050428\B56561.D
Acq On : 28 Apr 05 6:25 pm
Sample : TPH BLANK PSOX 4-25-05
Misc : 30.00g/1mL, 25uL ISTD/1mL
MS Integration Params: rteint.p
Quant Time: Apr 29 8:05 19105

Vial: 36
Operator: ADAM
Inst : GC/MS B
Multiplr: 1.00

Quant Results File: B_TPH2.RES

Method : C:\HPCHEM\1\METHODS\B_TPH2.M (RTE Integrator)
Title : TPH Analysis by Method 8270 (Low Level)
Last Update : Thu Apr 28 13:28:11 2005
Response via : Initial Calibration



Spike Recovery and RPD Summary Report - SOIL

Method : C:\HPCHEM\1\METHODS\B_TPH2.M (RTE Integrator)
Title : TPH Analysis by Method 8270 (Low Level)
Last Update : Thu Apr 28 13:28:11 2005
Response via : Initial Calibration

Non-Spiked Sample: B56556.D

	Spike Sample	Spike Duplicate Sample
File ID :	B56557.D	B56558.D
Sample :	MS5-0465-002 TERR TCALIF 4-27-05	MSD5-0465-002 TERR
Acq Time:	28 Apr 05 4:28 pm	28 Apr 05 4:57 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
TPH as Gasoline	66.6	500	442	402	75	67	11	30	30-150
TPH as Diesel	100.3	500	639	645	108	109	1	30	30-150
TPH as Oil	159.7	500	459	487	60	66	9	30	30-150

 # - Fails Limit Check

Quantitation Report (QT Reviewed)

Data File : E:\DATA\0504\050428\B56557.D
Acq On : 28 Apr 05 4:28 pm
Sample : MS5-0465-002 TERR TCALIF 4-27-05
Misc : 30.91g/1mL
MS Integration Params: rteint.p
Quant Time: Apr 29 8:03 19105

Vial: 32
Operator: ADAM
Inst : GC/MS B
Multiplr: 1.00

Quant Results File: B_TPH2.RES

Quant Method : C:\HPCHEM\1\METHODS\B_TPH2.M (RTE Integrator)
Title : TPH Analysis by Method 8270 (Low Level)
Last Update : Thu Apr 28 13:28:11 2005
Response via : Initial Calibration
DataAcq Meth : B_TPH2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

System Monitoring Compounds

Target Compounds						Qvalue
1) TPH as Gasoline	2.74	TIC	4425708m	442.49	ug/mL	100
2) TPH as Diesel	7.67	TIC	24822504m	638.86	ug/mL	100
3) TPH as Oil	14.00	TIC	27898605m	458.82	ug/mL	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : E:\DATA\0504\050428\B56557.D
Acq On : 28 Apr 05 4:28 pm
Sample : MS5-0465-002 TERR TCALIF 4-27-05
Misc : 30.91g/1mL
MS Integration Params: rteint.p
Quant Time: Apr 29 8:03 19105

Vial: 32
Operator: ADAM
Inst : GC/MS B
Multiplr: 1.00

Quant Results File: B_TPH2.RES

Method : C:\HPCHEM\1\METHODS\B_TPH2.M (RTE Integrator)
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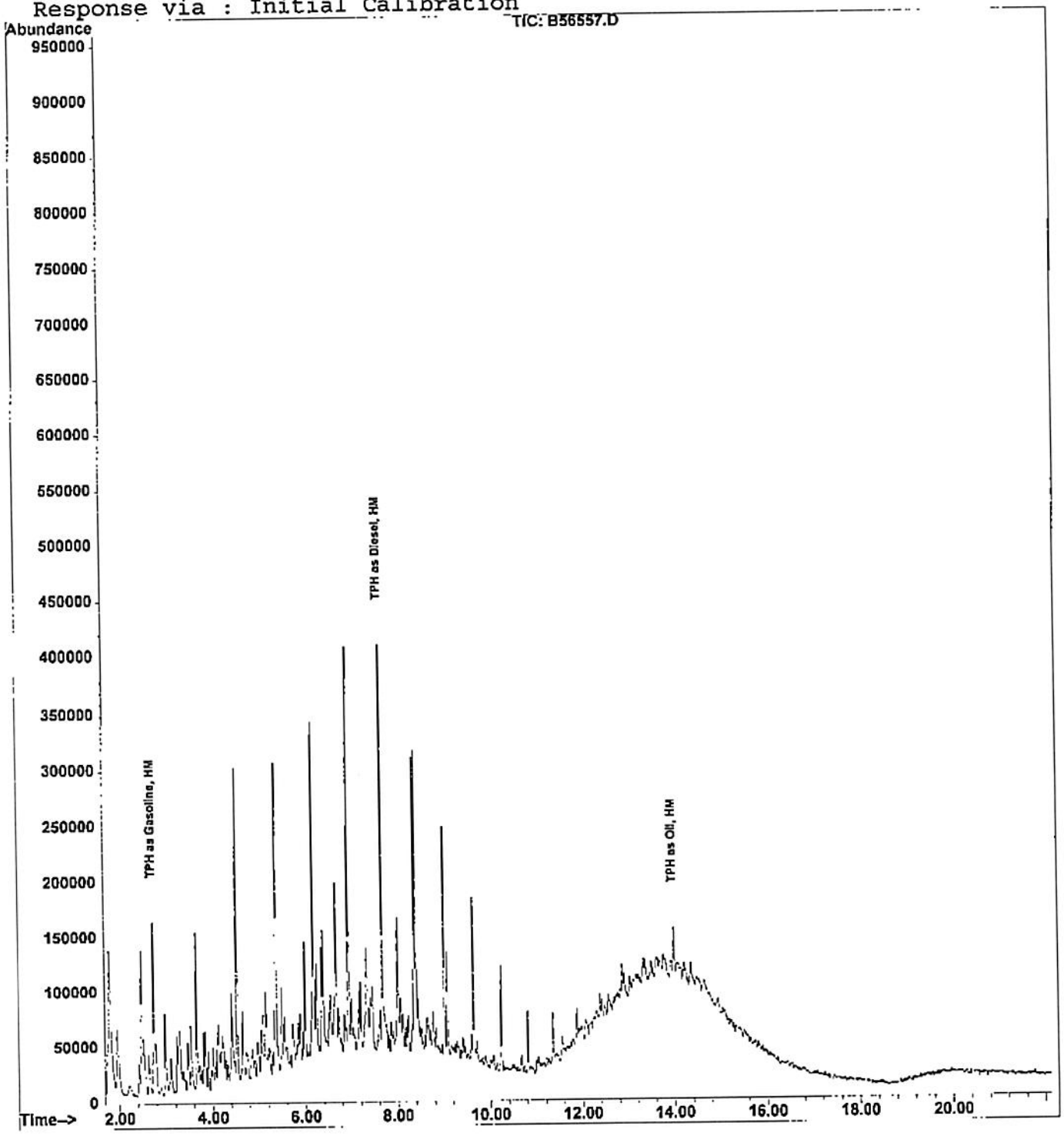

Quantitation Report (QT Reviewed)

Data File : E:\DATA\0504\050428\B56558.D
Acq On : 28 Apr 05 4:57 pm
Sample : MSD5-0465-002 TERR TCALIF 4-27-05
Misc : 30.87g/1mL
MS Integration Params: rteint.p
Quant Time: Apr 29 8:04 19105

Vial: 33
Operator: ADAM
Inst : GC/MS B
Multiplr: 1.00

Quant Results File: B_TPH2.RES

Quant Method : C:\HPCHEM\1\METHODS\B_TPH2.M (RTE Integrator)
Title : TPH Analysis by Method 8270 (Low Level)
Last Update : Thu Apr 28 13:28:11 2005
Response via : Initial Calibration
DataAcq Meth : B_TPH2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

System Monitoring Compounds

Target Compounds						Qvalue
1) TPH as Gasoline	2.74	TIC	4024617m	402.39	ug/mL	100
2) TPH as Diesel	7.07	TIC	25066568m	645.15	ug/mL	100
3) TPH as Oil	14.00	TIC	29627103m	487.25	ug/mL	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : E:\DATA\0504\050428\B56558.D
Acq On : 28 Apr 05 4:57 pm
Sample : MSD5-0465-002 TERR TCALIF 4-27-05
Misc : 30.87g/1mL
MS Integration Params: rteint.p
Quant Time: Apr 29 8:04 19105

Vial: 33
Operator: ADAM
Inst : GC/MS B
Multiplr: 1.00

Quant Results File: B_TPH2.RES

Method : C:\HPCHEM\1\METHODS\B_TPH2.M (RTE Integrator)
Title : TPH Analysis by Method 8270 (Low Level)
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